ANHANG

zum Fahrtbericht

SONNE - 78

- Stationsliste
- Kernbeschreibungen
- Porenwasserdaten
- Methan in der Wassersäule
- HYDROSWEEP und PARASOUND-Profile
- Verzeichnis aller HYDROSWEEP-Karten
- OFOS-Protokolle
- Meteorologische Daten
- Probenliste

Stationsliste

Stationsliste

Erläuterungen zur Stationsliste

Gerätebezeichnungen:

BWS	Bodenwasserschöpfer
CTD	Multisonde + Wasserschöpfer
DR	Dredge
GKG	Großkastengreifer
KAL	Kastenlot
MCC	Mocness
MUC	Multicorer
OFOS	Ocean Floor Observation System
SL	Schwerelot
TS	Temperatursonde
VESP	Vent Spider/Probenkammer

- Uhrzeit entspricht dem Zeitpunkt der Bodenberührung (geologische Geräte), der maximalen Tiefe (CTD), bzw. dem Beginn der Aufzeichnung (OFOS)

- Die angegebenen Koordinaten stimmen mit der jeweiligen Uhrzeit überein, unterscheiden sich jedoch von den nicht aufgeführten Positionen dei Stationsbeginn und Stationsende.

- Die Wassertiefe bezieht sich auf die Tiefe bei Stationsbeginn.

- Die Spalte Bemerkung vermittelt lediglich einen Überblick. Details sind im Fahrtbericht separat aufgeführt.

STATION	GERÄT	DATUM	UHRZEIT (UTC)	BREITE	LÄNGE	TIEFE HS (m)	BEMERKUNG
				DISCOL-GEBIET			
150	GKG-1	3.3.92	22:15	05° 30.07'S	85° 22.36'W	4080	41 cm
150	MUC/TS-2	4.3.92	01:02	05° 30.08'S	85° 22.37'W	4080	k. Auslösung
150	MUC/TS-3	4.3.92	04:56	05° 30.13'S	85° 22.34'W	4080	k. Auslösung
151	MUC/TS-1	4.3.92	15:38	06° 34.14'S	86° 11.38'W	4132	5 x 29 cm
151	GKG-2	4.3.92	18:35	06° 34.20'S	86° 11.45'W	4132	38 cm
151	KAL-3	4.3.92	21:00	06° 34.29'S	86° 11.42'W	4132	644 cm
152	CTD-1	4.3.92	11:45	07° 04.42'S	88° 27.52'W	4146	12 x 5l
152	MOC-2	5.3.92	17:28	07° 04.38'S	88° 27.15'W		Netz 1 dicht
		5.3.92	19:38	07° 06.83'S	88° 24.24'W	4233	Netz 5 dicht
152	MUC/TS-3	6.3.92	01:09	07° 04.42'S	88° 27.63'W	4187	5 x 32 cm
152	MOC-4	6.3.92	08:13	07° 05.49'S	88° 26.01'W	4184	Netz 2 dicht
		6.3.92	09:58	07° 07.80'S	88° 23.20'W	4276	Netz 5 dicht
152	KAL-5	6.3.92	15:14	07° 04.39'S	88° 27.55'W	4188	teilw. Kernv.
152	GKG-6	6.3.92	17:35	07° 04.38'S	88° 27.44'W	4187	42 cm
152	KAL-7	6.3.92	20:32	07° 04.42'S	88° 27.58'W	4187	736 cm
152	MUC/TS-8	7.3.92	00:00	07° 03.66'S	88° 28.25'W	4170	5 x 30 cm
152	MOC-9	7.3.92	05:40	07° 04.90'S	88° 27.40'W	4192	Netz 1 dicht
		7.3.92	07:43	07° 08.70'S	88° 25.10'W	4245	Netz 5 dicht
152	MUC/TS-10	7.3.92	13:06	07° 04.45'S	88° 26.50'W	4202	4 x 40 cm
152	GKG-11	7.3.92	15:59	07° 03.83'S	88° 27.80'W	4166	42 cm
152	MUC/TS-12	7.3.92	18:38	07° 03.32'S	88° 27.04'W	4130	3 x 14 cm
152	MUC-13	7.3.92	21:44	07° 03.63'S	88° 30.26'W	4246	4 x 30 cm
152	MOC-15	8.3.92	15:32	07° 06.20'S	88° 27.00'W	4178	Netz 1 dicht
		8.3.92	17:37	07° 09.60'S	88° 25.70'W	4222	Netz 5 dicht
152	OFOS-16	9.3.92	13:59	07° 04.05'S	88° 27.26'W	4169	Beginn
			17:28	07° 03.91'S	88° 27.50'W	4172	Ende
152	VESP-17	9.3.92	21:57	07° 04.60'S	88° 27.85'W	4162	5 x 1,7l
152	MUC-18	10.3.92	04:14	07° 04.14'S	88° 27.90'W	4142	3 x 30 cm
152	MUC-19	10.3.92	06:46	07° 04.14'S	88° 27.94'W	4138	3 x 28 cm
152	MUC-20	10.3.92	09:19	07° 04.15'S	88° 27.93'W	4150	3 x 29 cm
152	GKG-21	10.3.92	11:46	07° 04.14'S	88° 27.90'W	4144	42 cm
152	MOC-23	11.3.92	02:23	07° 04.89'S	88° 27.40'W	4178	Netz 1 dicht
		11.3.92	04:42	07° 08.00'S	88° 25.30'W	4205	Netz 5 dicht
153	Zodiac	11.3.92	14:20	06° 48.47'S	88° 25.30'W	4120	air/water
153	MUC-1	11.3.92	15:33	06° 48.47'S	87° 09.42'W	4120	5 x 24 cm
154	MUC-1	12.3.92	03:22	05° 56.55'S	85° 39.99'W	4031	5 x 32 cm
150	MUC-3	12.3.92	08:26	05° 30.48'S	85° 22.48'W	4069	5 x 36 cm
150	Zodiac	12.3.92	11:50	05° 30.48'S	85° 22.48'W	4069	air/water
				SARMIENTO RIDGE			
155	Zodiac	12.3.92	21:30	05° 31.63'S	83° 41.80'W	2432	air/water
155	CTD-1	12.3.92	23:40	05° 31.63'S	83° 41.80'W	2432	12 x 5l
				PAITA-1			
156	CTD-1	14.3.92	01:00	05° 34.93'S	81° 52.97'W	5187	11 x 5l
156	OFOS-2	15.3.92	13:31	05° 33.59'S	81° 51.91'W	5005	Beginn A
		15.3.92	15:29	05° 34.61'S	81° 52.60'W	5328	Ende A
156	OFOS-2	15.3.92	17:09	05° 34.97'S	81° 52.26'W	5202	Beginn C
		15.3.92	18:29	05° 35.52'S	81° 52.64'W	5281	Ende C
156	OFOS-2	15.3.92	21:13	05° 34.96'S	81° 52.47'W	5326	Beginn B
		15.3.92	21:56	05° 35.08'S	81° 52.70'W	5327	Ende C
156	GKG-3	16.3.92	01:59	05° 35.05'S	81° 52.28'W	5104	0 cm
156	GKG-4	16.3.92	04:36	05° 35.05'S	81° 52.28'W	5102	48 cm
156	KAL-5	16.3.92	07:18	05° 35.06'S	81° 52.30'W	5082	0 cm
156	MUC-6	16.3.92	10:22	05° 34.71'S	81° 53.04'W	5112	0 cm

156	VESP-7	16.3.92	14:45	05° 35.10'S	81° 52.34'W	5171	5 x 1,7l
156	MUC-8	16.3.92	19:29	05° 34.87'S	81° 51.93'W	5022	8 x 38 cm
156	Zodiac	15.3.92	21:40	05° 34.87'S	81° 52.93'W	5022	air/water
156	CTD-10	17.3.92	11:45	05° 35.01'S	81° 52.36'W	5044	11 x 5l
156	VESP-11	17.3.92	16:44	05° 35.20'S	81° 52.50'W	5189	5 x 1,7l
156	OFOS-12	17.3.92	22:38	50° 34.55'S	81° 52.44'W	4963	Beginn
		18.3.92	01:44	05° 35.58'S	81° 52.30'W	5237	Ende
156	KAL-13	19.3.92	14:10	05° 35.11'S	81° 52.31'W	5172	umgekippt?

CHICLAYO-I

157	CTD-1	18.3.92	14:00	06° 49.75'S	81° 23.01'W	4070	11 x 5l
157	CTD-2	18.3.92	19:05	06° 46.56'S	81° 02.79'W	2893	12 x 5l
157	Zodiac	18.3.92	22:30	06° 50.81'S	81° 26.63'W	4685	air/water
157	CTD-3	18.3.92	00:30	06° 50.83'S	81° 26.62'W	4685	12 x 5l

CHICLAYO-II

157	CTD-4a	4.4.92	18:27	6° 53.95'S	81° 31.71'W	5392	11 x 5l
157	CTD-5	4.4.92	23:29	6° 49.90'S	81° 14.95'W	3255	10 x 5l
157	CTD-4	5.4.92	11:58	6° 53.96'S	81° 31.87'W	5350	11 x 5l
157	CTD-6	5.4.92	06:10	6° 50.80'S	81° 26.56'W	4695	11 x 5l

CALLAO-1

158	GKG-1	21.3.92	13:28	10° 55.23'S	78° 06.26'W	235	57 cm
158	KAL-2	21.3.92	13:59	10° 55.02'S	78° 06.22'W	237	Banane
158	KAL-3	21.3.92	14:58	10° 55.33'S	78° 06.23'W	237	450 cm
159	GKG-1	21.3.92	16:35	10° 58.61'S	78° 13.92'W	375	22 cm
159	SL-2	21.3.92	17:09	10° 58.77'S	78° 13.80'W	373	leer
159	SL-3	21.3.92	18:00	10° 58.79'S	78° 13.80'W	373	ges. 163 cm
159	GKG-4	21.3.92	18:18	10° 58.77'S	78° 13.75'W	372	50 cm
160	CTD-1	21.3.92	20:21	11° 04.02'S	78° 25.55'W	808	12 x 5l
160	BWS-2	21.3.92	21:41	11° 03.97'S	78° 25.57'W	808	4 x 15l
160	Zodiac	21.3.92	23:12	11° 04.02'S	78° 25.38'W	807	7 x 28 cm
160	GKG-4	22.3.92	00:00	11° 04.03'S	78° 25.56'W	804	42 cm
160	KAL-5	22.3.92	00:48	11° 04.07'S	78° 25.55'W	810	Banane
161	GKG-1	22.3.92	12:20	11° 28.17'S	78° 09.54'W	511	42 cm
161	SL-2	22.3.92	12:53	11° 28.17'S	78° 09.59'W	511	148 cm
161	SL-3	22.3.92	13:59	11° 28.22'S	78° 09.65'W	510	leer
162	CTD-1	22.3.92	15:51	11° 19.80'S	78° 01.37'W	283	10 x 5l
162	MUC-2	22.3.92	16:28	11° 19.83'S	78° 01.41'W	283	4 x 40 cm
162	GKG-3	22.3.92	16:57	11° 19.71'S	78° 01.41'W	281	42 cm
162	KAL-5	22.3.92	17:35	11° 19.84'S	78° 01.43'W	281	315 cm
162	KAL-4	22.3.92	18:25	11° 19.82'S	78° 01.35'W	282	teilw. Kernv.
162	KAL-6	22.3.92	19:01	11° 19.87'S	78° 01.44'W	283	278 cm

CALLAO-II

172	KAL-1	2.4.92	21:20	11° 27.87'S	78° 09.69'W	515	leer
172	KAL-2	2.4.92	22:06	11° 27.94'S	78° 09.76'W	513	83 cm
172	KAL-3	3.4.92	13:10	11° 27.93'S	78° 09.57'W	511	367 cm
173	GKG-1	3.4.92	00:47	11° 05.67'S	78° 00.08'W	205	0 cm
173	GKG-2	3.4.92	01:18	11° 05.71'S	77° 59.85'W	203	80 cm
173	MUC-3	3.4.92	01:51	11° 05.82'S	78° 00.04'W	205	53 cm
173	KAL-4	3.4.92	02:24	11° 05.64'S	78° 00.81'W	204	514 cm
174	KAL-1	3.4.92	05:40	11° 03.79'S	78° 25.64'W	801	CC-Probe
175	KAL-1	3.4.92	06:39	11° 03.12'S	78° 23.91'W	695	299 cm

CHIMBOTE

163	OFOS-1	23.3.92	17:46	9° 34.63'S	80° 07.83'W	3569	Beginn A
		23.3.92	20:30	9° 37.54'S	80° 08.29'W	3910	Ende A
		23.3.92	23:53	9° 35.05'S	80° 06.02'W	3339	Beginn B
		23.3.92	02:55	9° 38.37'S	80° 07.74'W	4049	Ende B
163	VESP-2	24.3.92	14:31	9° 35.15'S	80° 07.62'W	3639	1. Positionierung
		24.3.92	16:00	9° 35.53'S	80° 07.65'W	3715	2. Positionierung
163	CTD-3	24.3.92	19:48	9° 35.85'S	80° 07.77'W	3730	12 x 5l
163	GKG-4	24.3.92	22:40	9° 35.21'S	80° 07.69'W	3669	30 cm
164	MOC-1	25.3.92	05:19	9° 38.20'S	80° 10.50'W	4052	Netz 2 dicht
		25.3.92	07:02	9° 40.30'S	80° 09.18'W	4099	Netz 5 dicht
165	GKG-1	25.3.92	11:44	9° 35.97'S	79° 54.01'W	1767	50 cm
165	KAL-2	25.3.92	12:56	9° 35.95'S	79° 54.01'W	1767	340 cm
163	GKG-5	25.3.92	13:05	9° 35.13'S	80° 07.62'W	3635	40 cm
165	KAL-3	25.3.92	14:28	9° 35.99'S	79° 54.11'W	1763	532 cm
163	CTD-6	25.3.92	20:39	9° 34.97'S	80° 08.91'W	3795	12 x 5l
163	GKG-7	25.3.92	23:20	9° 35.30'S	80° 07.70'W	3670	leer
163	GKG-8	26.3.92	11:56	9° 35.37'S	80° 07.74'W	3663	leer
163	Zodiac	26.3.92	13:15	9° 35.36'S	80° 07.53'W	3688	air/water
163	GKG-10	26.3.92	14:40	9° 35.69'S	80° 07.53'W	3688	leer
163	DR-11	26.3.92	17:20	9° 34.99'S	80° 08.08'W	3662	Kettennetz voll
166	MOC-1	27.3.92	06:50	8° 59.07'S	80° 30.55'W	4003	Netz 1 dicht
		27.3.92	10:17	9° 02.68'S	80° 29.33'W	4205	Netz 5 dicht
166	OFOS-2	27.3.92	15:00	9° 00.13'S	80° 28.21'W	3529	Beginn
		27.3.92	17:05	9° 00.57'S	80° 27.70'W	3562	Abbruch
166	CTD-3	27.3.92	19:20	9° 01.33'S	80° 27.50'W	3742	12 x 5l
166	OFOS-4	28.3.92	14:25	9° 00.52'S	80° 27.85'W	3578	Beginn A
		28.3.92	16:19	9° 01.83'S	80° 27.17'W	3753	Ende B
167	GKG-1	28.3.92	04:29	9° 25.59'S	79° 47.08'W	1291	42 cm
167	KAL-2	28.3.92	06:05	9° 25.61'S	79° 47.06'W	1293	515 cm
167	MUC-3	28.3.92	08:31	9° 25.63'S	79° 47.15'W	1291	5 x 32 cm
168	CTD-1	29.3.92	10:16	9° 35.65'S	80° 07.55'W	3672	11 x 5l
168	VESP-2	29.3.92	14:32	9° 35.26'S	80° 07.70'W	3672	5 x 1,7l
168	DR-3	29.3.92	18:41	9° 35.28'S	80° 07.86'W	3731	Kettennetz voll

MENDAÑA

169	OFOS-1	30.3.92	14:37	10° 15.43'S	79° 57.96'W	5183	Beginn
		30.3.92	16:46	10° 17.02'S	80° 00.63'W	5253	Ende
170	MUC-1	30.3.92	00:50	10° 07.51'S	80° 39.51'W	4968	4 x 18 cm
170	KAL-2	30.3.92	04:45	10° 06.80'S	80° 39.80'W	4994	573 cm
170	CTD-3	31.3.92	09:34	10° 02.09'S	80° 42.19'W	4458	11 x 5l

PERU-BECKEN

171	MUC-1	1.4.92	05:32	13° 13.33'S	81° 07.69'W	4858	4 x 20 cm
171	KAL-2	1.4.92	08:21	13° 13.31'S	81° 07.59'W	4861	1148 cm
171	GKG-2	1.4.92	11:40	13° 13.29'S	81° 07.69'W	4860	44 cm

PAITA-2

175	OFOS-2	6.4.92	12:18	5° 35.38'S	81° 38.94'W	3018	Beginn
		6.4.92	14:01	5° 36.62'S	81° 38.62'W	3806	Ende
175	OFOS-3	6.4.92	21:53	5° 35.66'S	81° 38.44'W	2991	Beginn
			23:30	5° 36.45'S	81° 38.86'W	4047	Ende
176	GKG-1	7.4.92	06:51	5° 37.00'S	81° 42.66'W	4251	50 cm
176	MUC/TS-2	7.4.92	09:38	5° 37.00'S	81° 42.68'W	4262	verworfen
176	MUC-3	7.4.92	12:51	5° 37.01'S	81° 42.67'W	4266	56 cm
176	VESP-4	7.4.92	18:00	5° 36.33'S	81° 44.49'W	4023	
177	DR-1	7.4.92	03:00	5° 36.31'S	81° 38.44'W	3423	voll
177	VESP-2	7.4.92	23:57	5° 36.03'S	81° 38.58'W	3350	
177	CTD-3	8.4.92	11:38	5° 35.92'S	81° 38.64'W	3170	11 x 5l
177	VESP-4	8.4.92	15:47	5° 36.13'S	81° 38.47'W	3267	5 x 1,7l
177	GKG-5	8.4.92	19:50	5° 35.98'S	81° 38.61'W	3295	leer
177	GKG-6	8.4.92	22:06	5° 35.98'S	81° 38.64'W	3316	leer

177	VESP-7	8.4.92	02:05	5° 36.09'S	81° 38.57'W	3235	5 x 1,7l
177	KAL-8	9.4.92	06:15	5° 36.03'S	81° 38.56'W	3257	Banane
177	GKG-9	9.4.92	08:20	5° 36.02'S	81° 38.59'W	3267	10 cm
177	CTD-10	9.4.92	11:28	5° 35.90'S	81° 38.67'W	3228	12 x 5l
178	OFOS-1	9.4.92	15:32	5° 35.97'S	81° 38.54'W	3047	Beginn
		9.4.92	17:51	5° 36.14'S	81° 39.08'W	4157	Ende
178	CTD-2	9.4.92	21:00	5° 36.51'S	81° 38.34'W	3560	12 x 5l
178	VESP-3	9.4.92	23:19	5° 36.51'S	81° 38.34'W	3560	umgefallen
179	DR-1	10.4.92	13:50	5° 34.71'S	81° 53.57'W	5216	10 kg
180	VESP-1	10.4.92	22:45	5° 36.56'S	81° 38.56'W	3262	5 x 1,7l
180	CTD-2	11.4.92	23:12	5° 35.51'S	81° 38.92'W	3771	12 x 5l
180	VESP-3	11.4.92	07:04	5° 36.03'S	81° 38.54'W	3286	5 x 1,7l
180	VESP-4	11.4.92	12:33	5° 36.19'S	81° 38.83'W	3309	5 x 1,7l
180	VESP-5	11.4.92	17:07	5° 36.09'S	81° 38.70'W	3243	5 x 1,7l

Kernbeschreibungen

Lithologic description

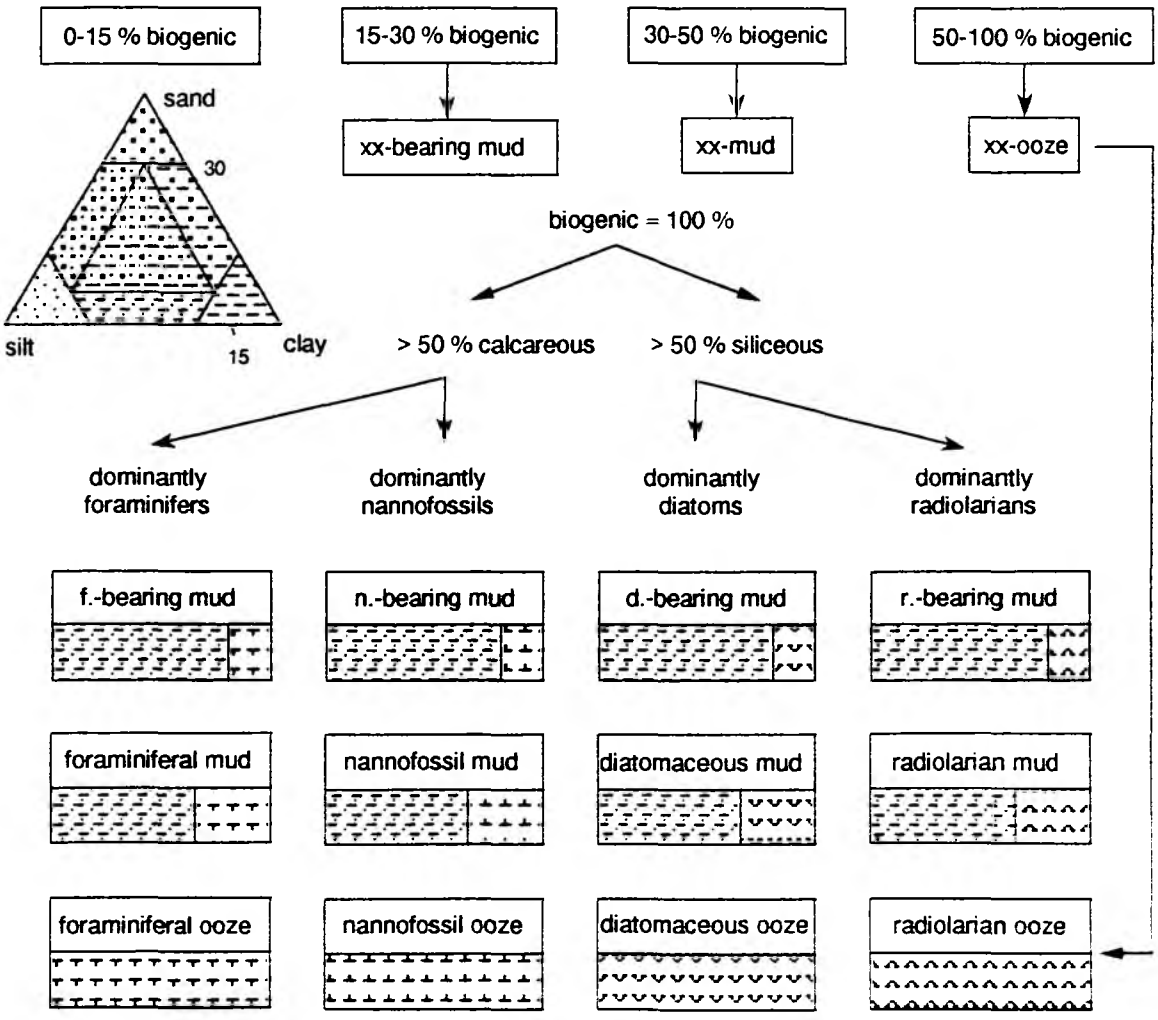
Lithology

- sand
- sandy mud
- mud
- clay
- siliceous mud
- collophane mud
- nannofossil ooze
- diatomaceous ooze

Primary Structures

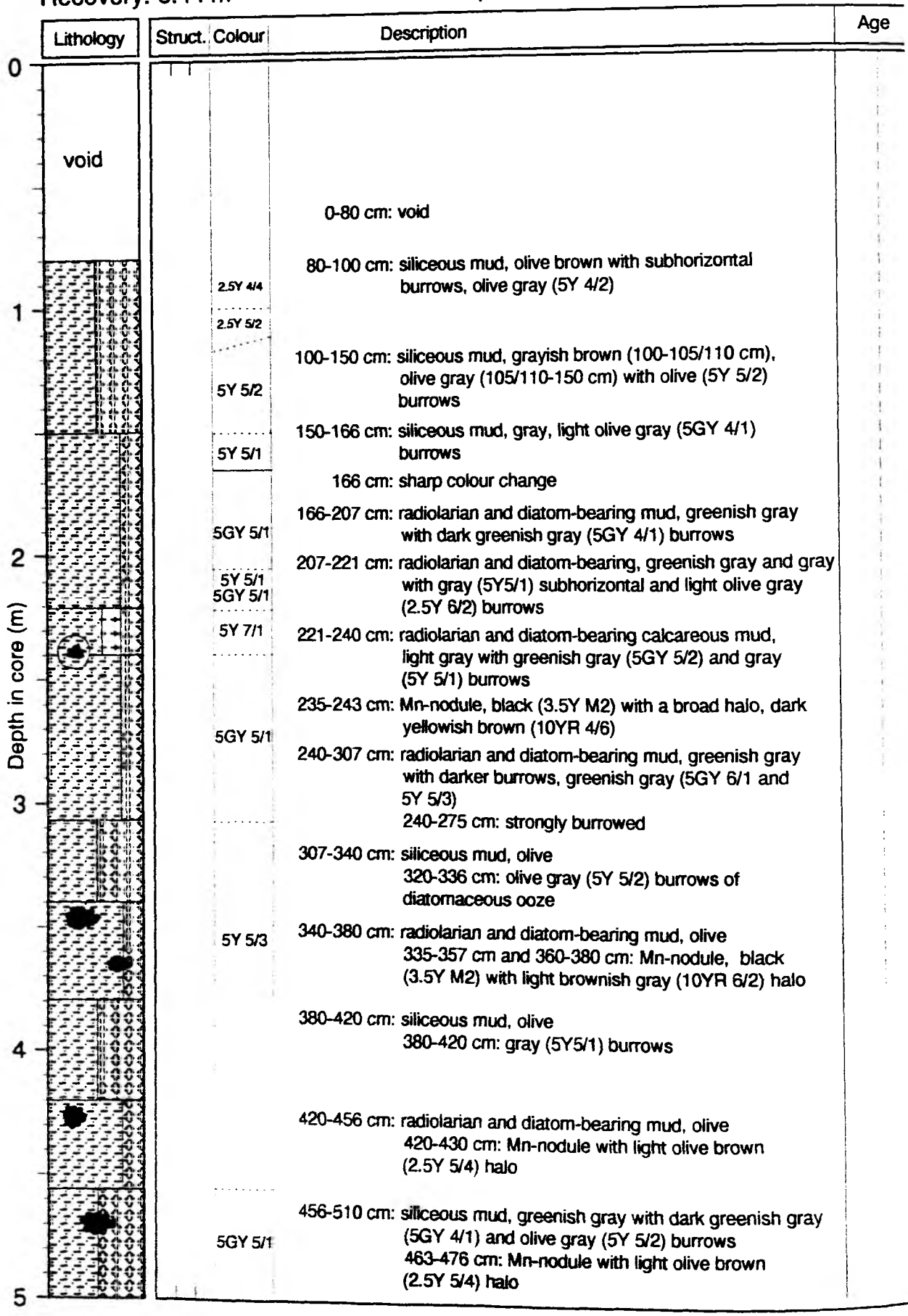
- pebbles
- shell horizon
- concretion
- Mn-nodule
- hardground
- slump fold
- erosional contact
- bioturbation
- stratification
- lamination
- fining upwards sequence
- sharp boundary
- gradational boundary
- transition zone

Nomenclature



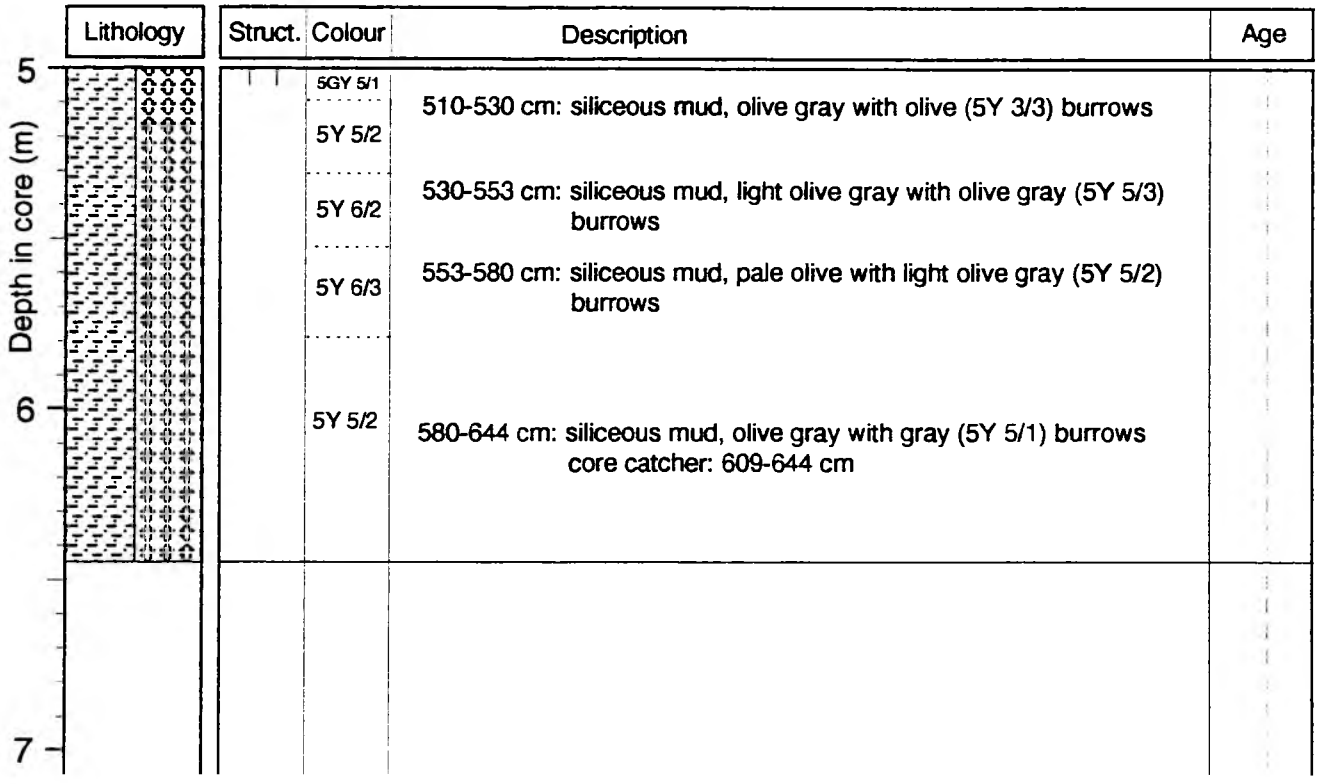
SO78/151-KAL-3 6° 34.29´S, 86° 11.42´W S`Grijalva Ridge

Recovery: 6.44 m Water depth: 4132 m



SO78/151-KAL-3 6° 34.29´S, 86° 11.42´W S`Grijalva Ridge

Recovery: 6.44 m Water depth: 4132 m



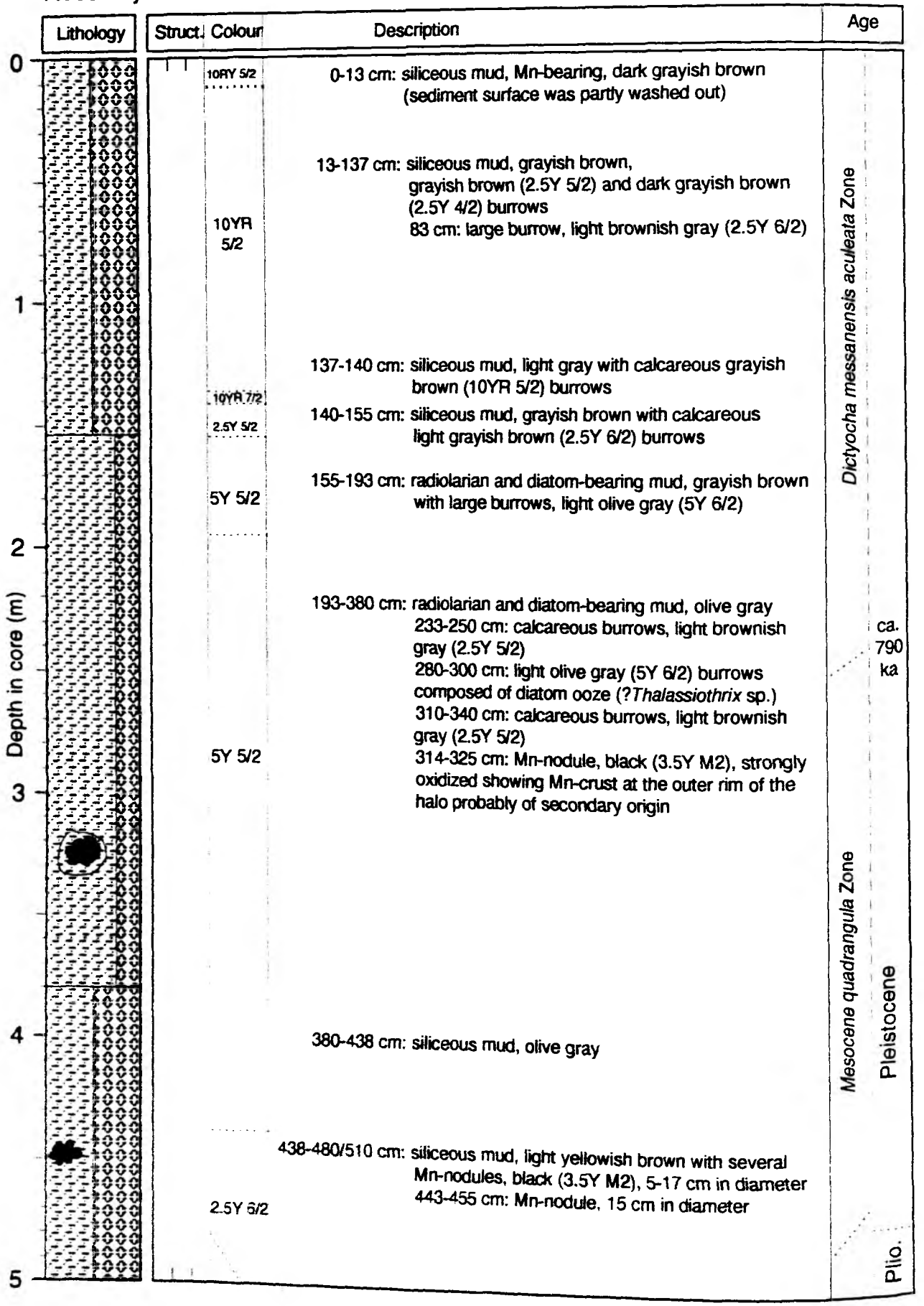
SO78/152-KAL-7

Recovery: 7.36 m

7° 04.42´S, 88° 27.58´W

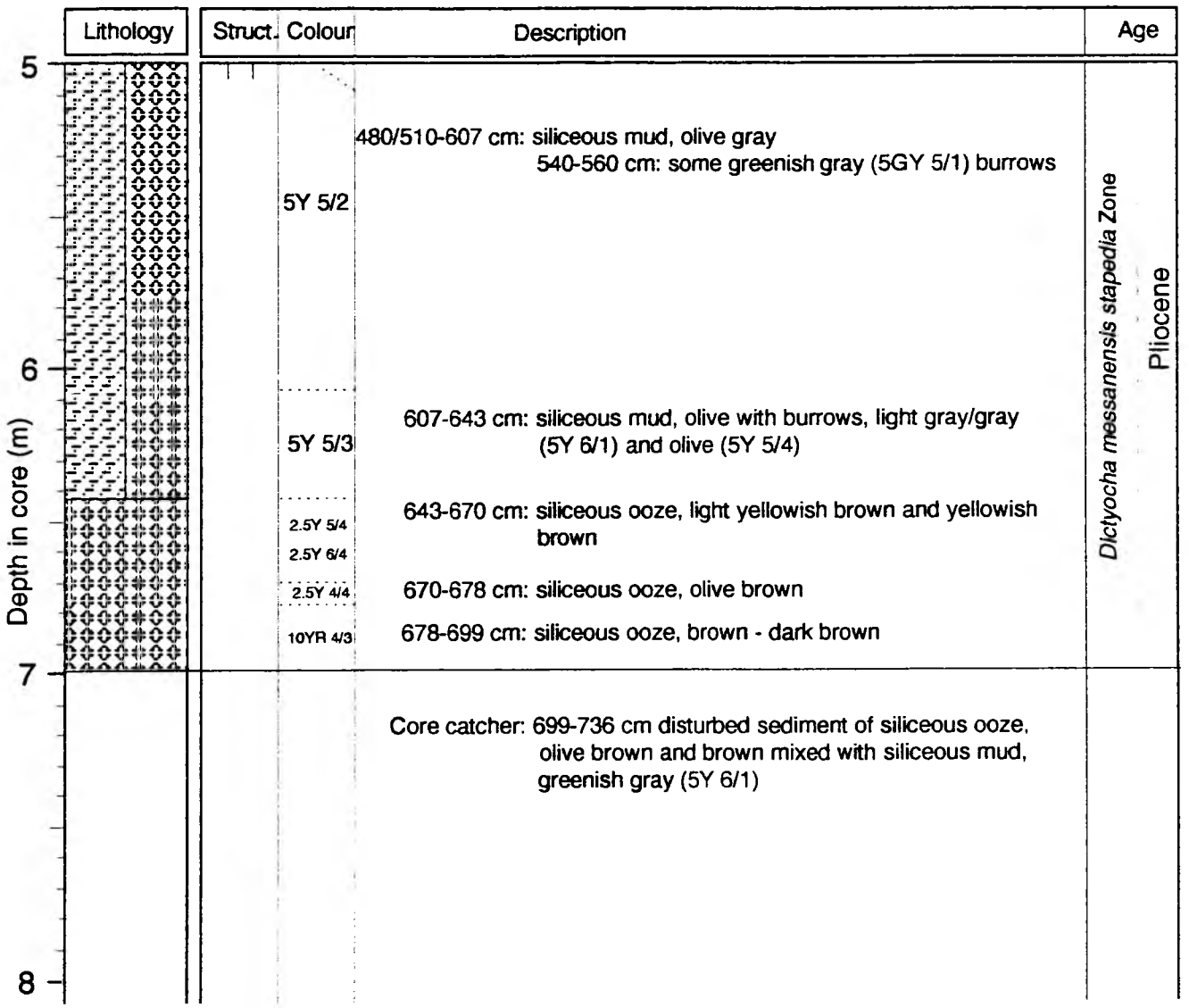
Water depth: 4187 m

DISCOL



SO78/152-KAL 7° 04.46´S, 88° 27.58´W DISCOL

Recovery: 7.36 m Water depth: 4187 m



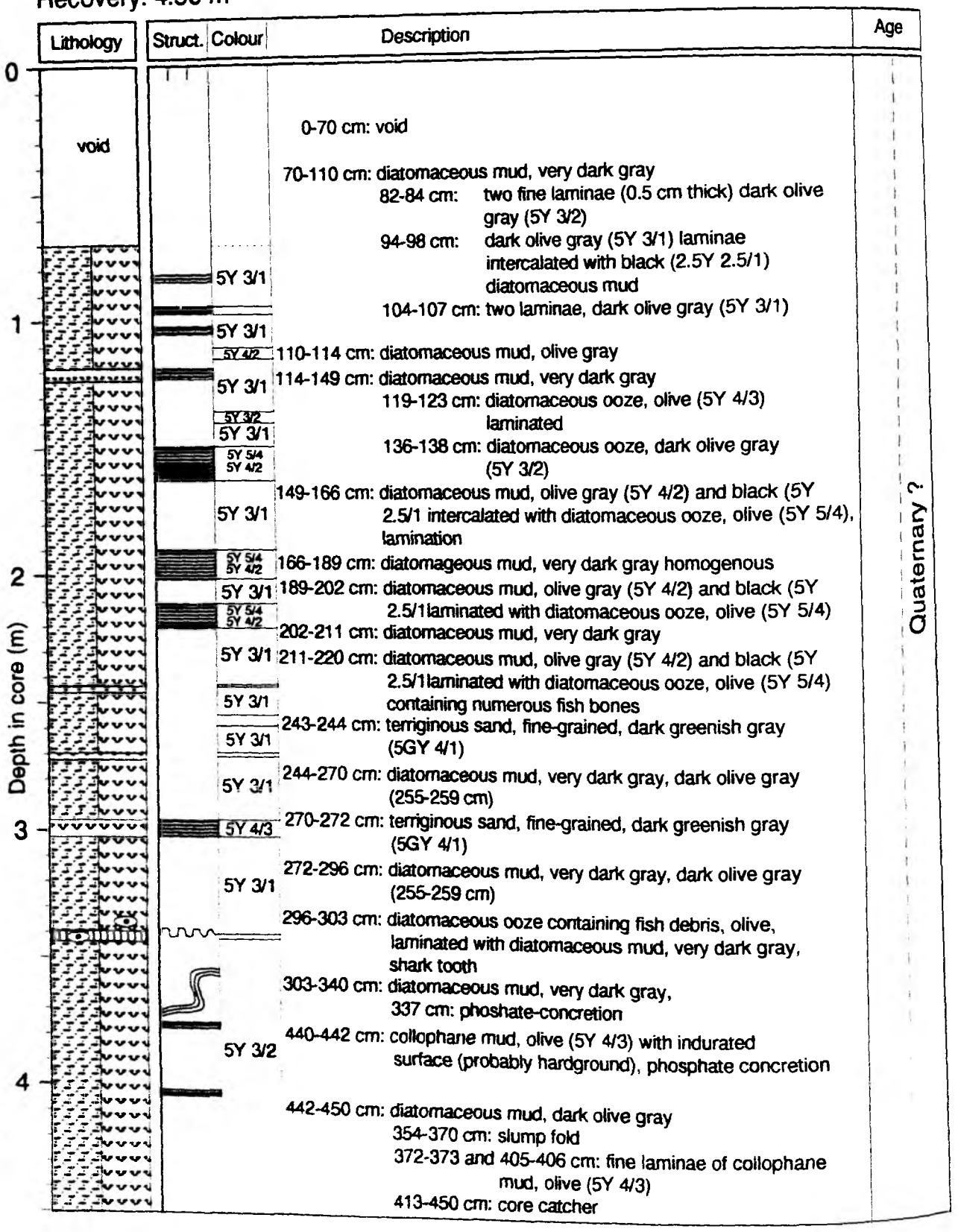
SO78/158-KAL-3

Recovery: 4.50 m

10° 10.33´S, 78° 06.23´W

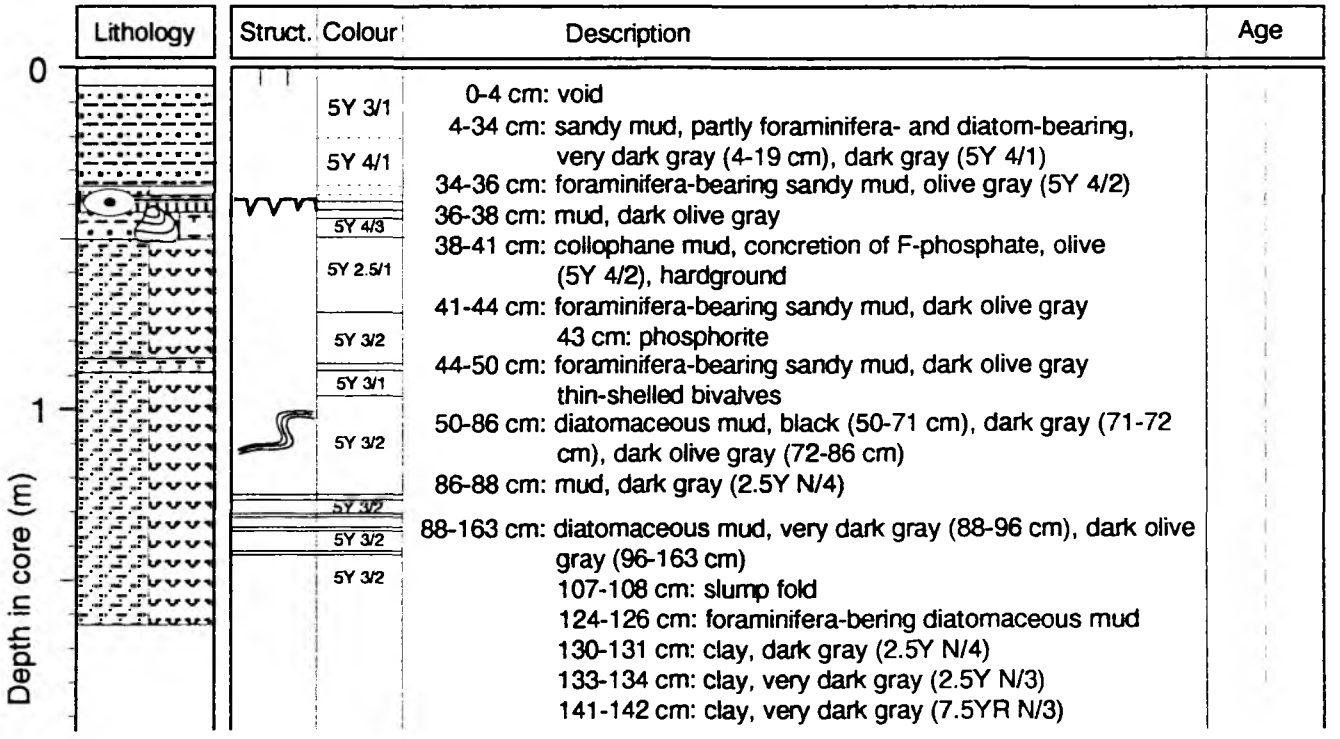
Water depth: 237 m

Callao



SO78/159-SL-3 10° 58.79´S, 78° 13.80´W Callao

Recovery: 1.63 m Water depth: 373 m



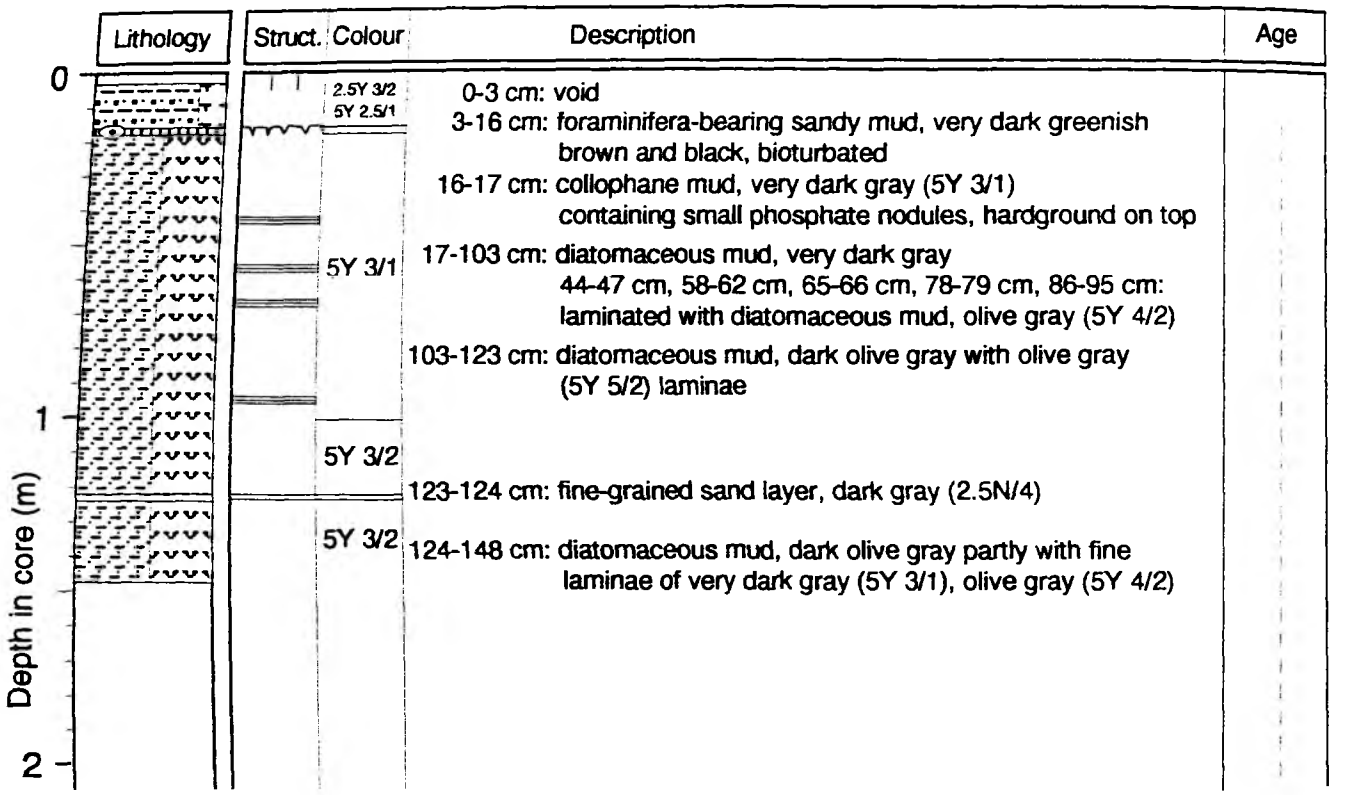
SO78/161-SL-2

Recovery: 1.48 m

11° 28.17´S, 78° 09.59´W

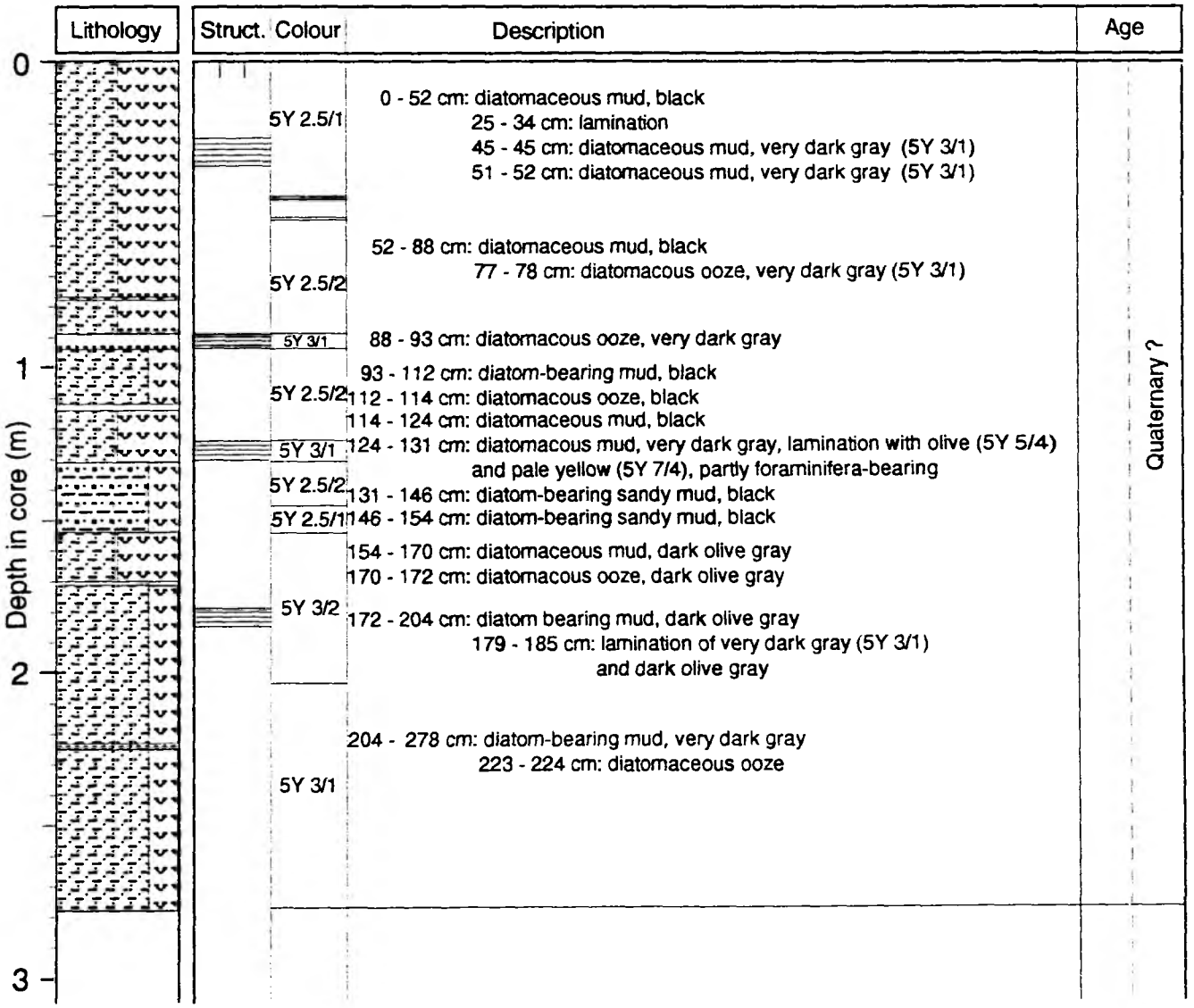
Water depth: 511 m

Callao



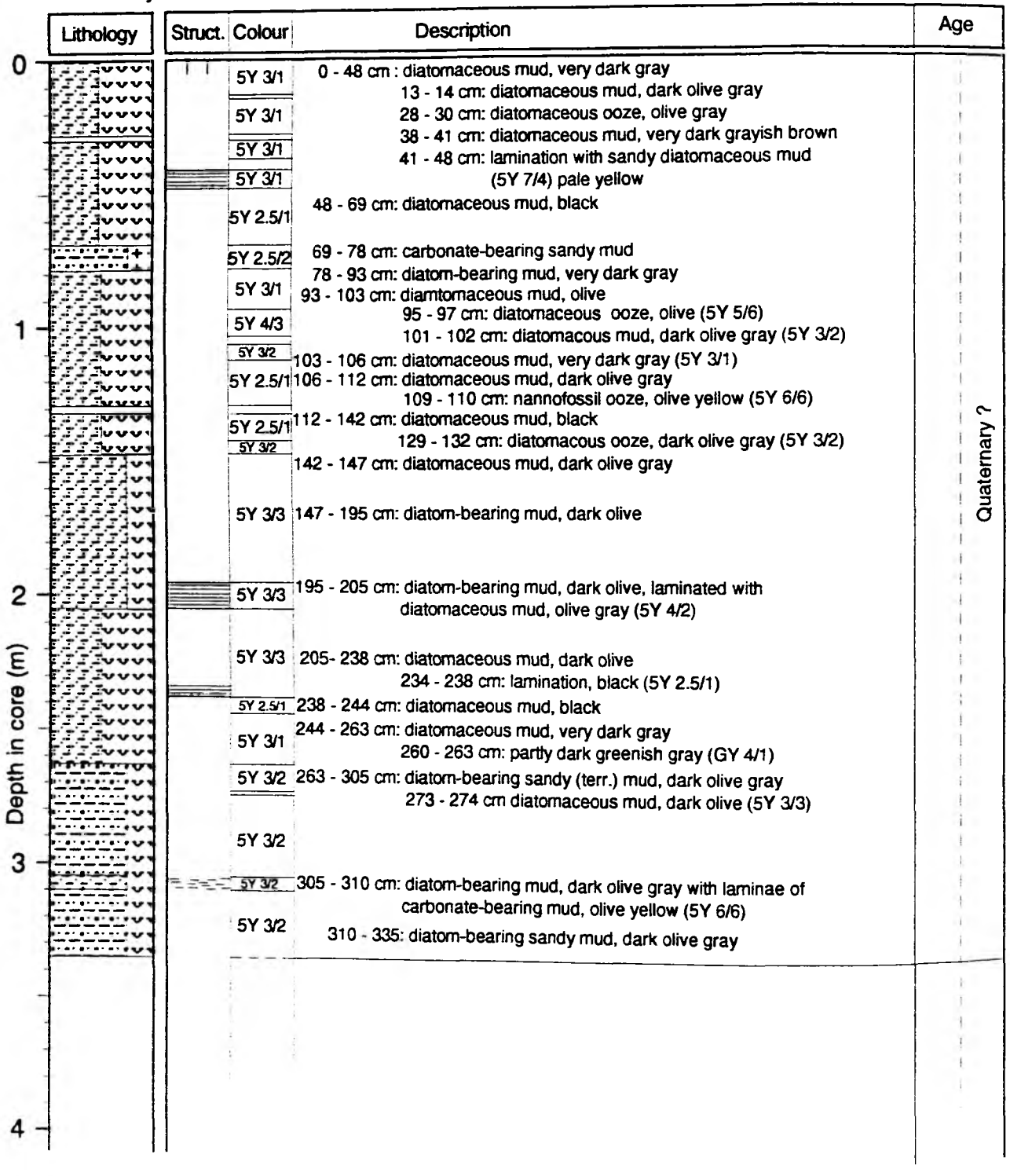
SO78/162-KAL-6 11° 19.87′S, 78° 01.44′W Callao

Recovery: 2.78 m Water depth: 283 m



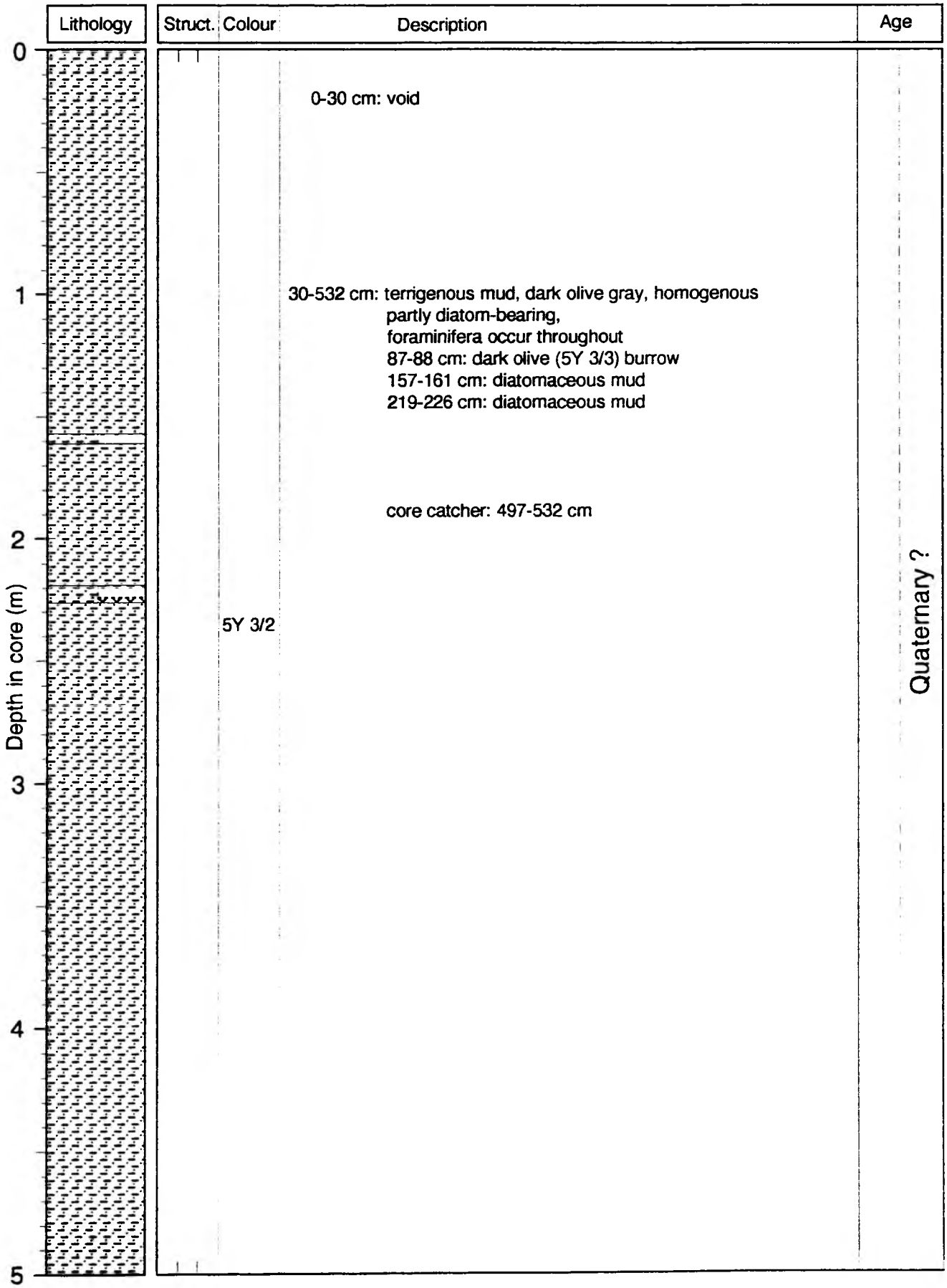
SO78/162-KAL-5 11° 19.84´S, 78° 01.41´W Callao

Recovery: 3.35 m Water depth: 281 m



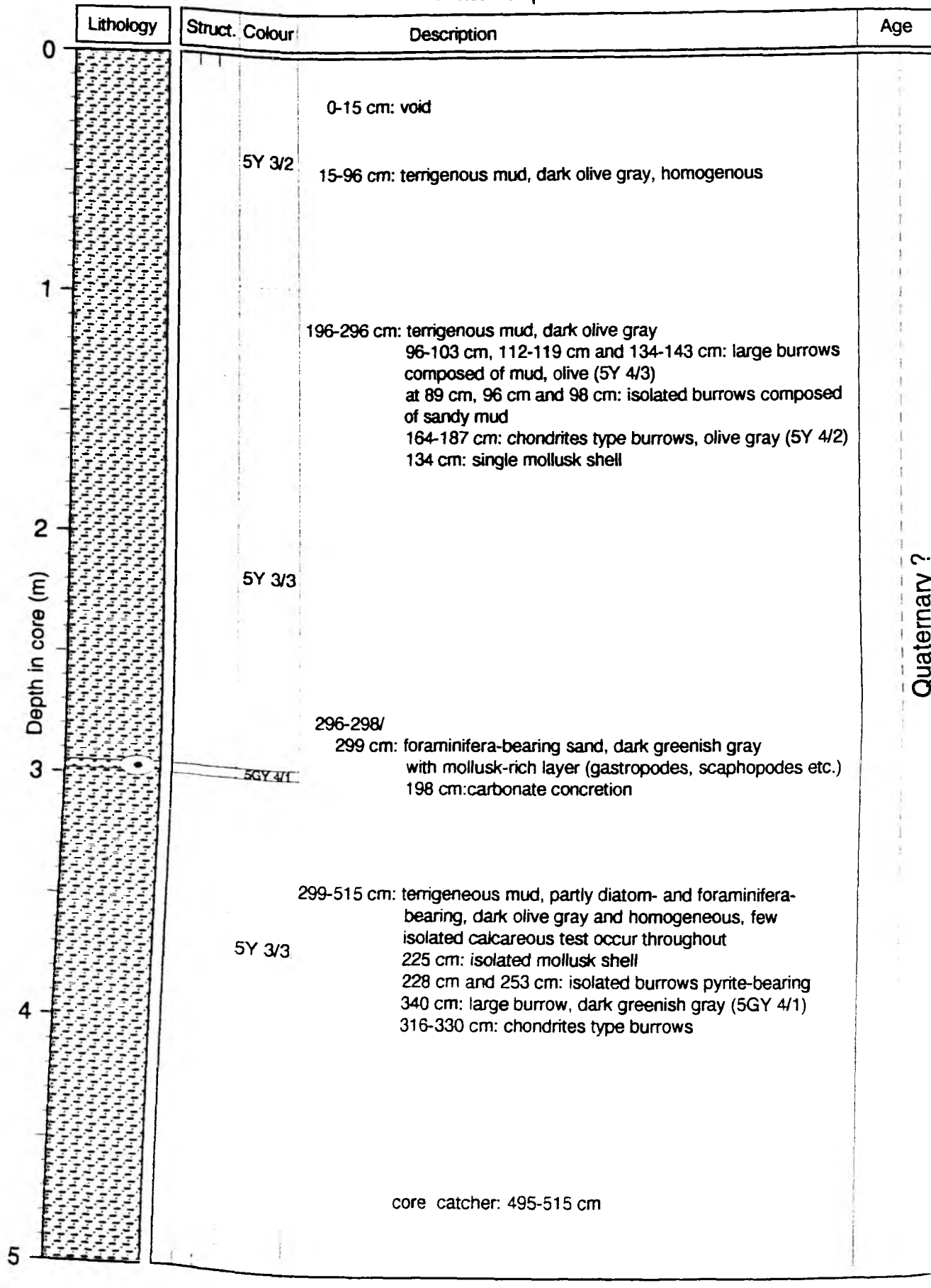
SO78/165-KAL-3 9° 35.99´S, 79° 54.11´W Chimbote

Recovery: 5.32 m Water depth: 1763 m



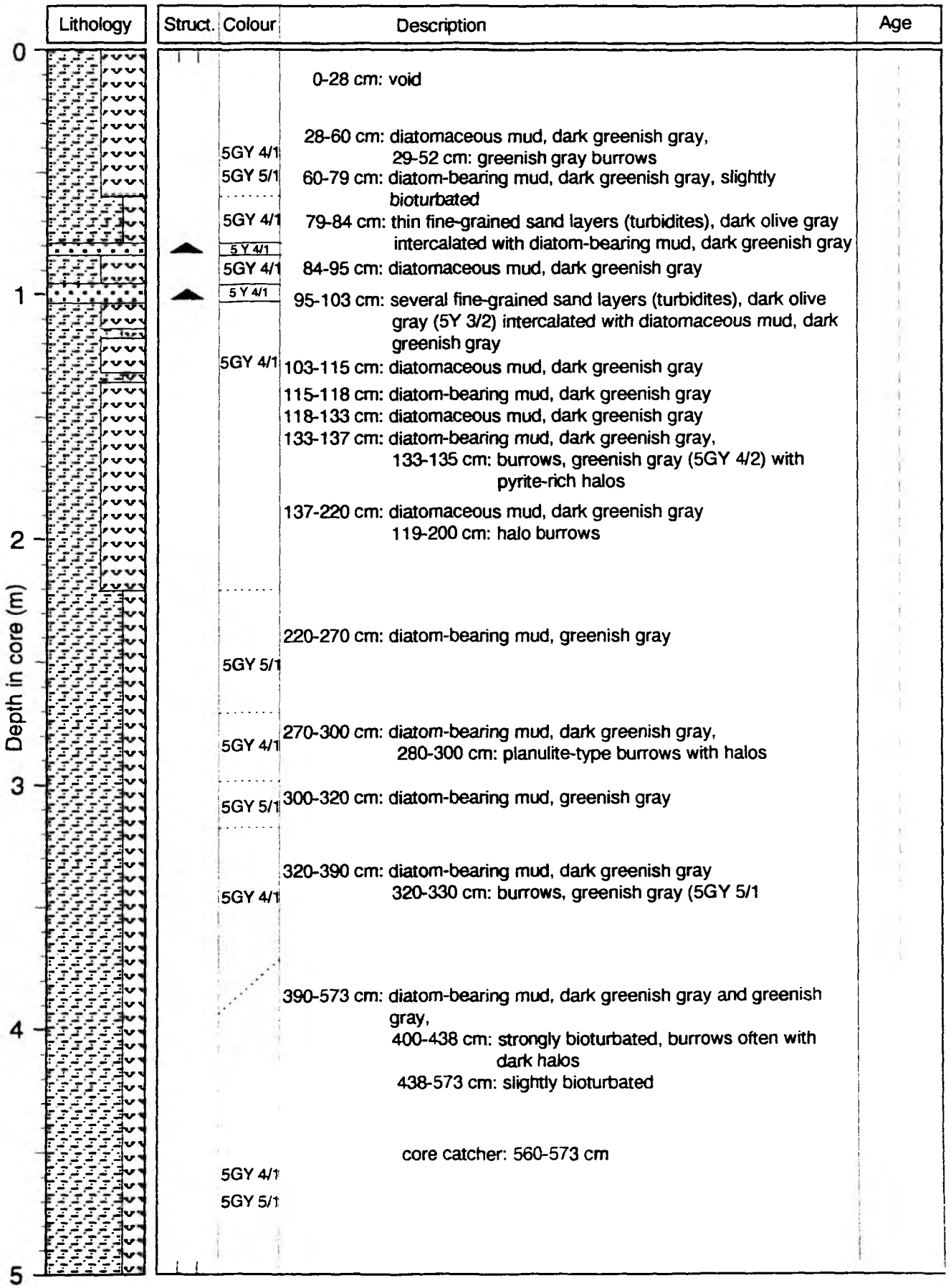
SO78/167-KAL-2 9° 25.61´S, 79° 79.47´W Chimbote

Recovery: 5.15 m Water depth: 1293 m



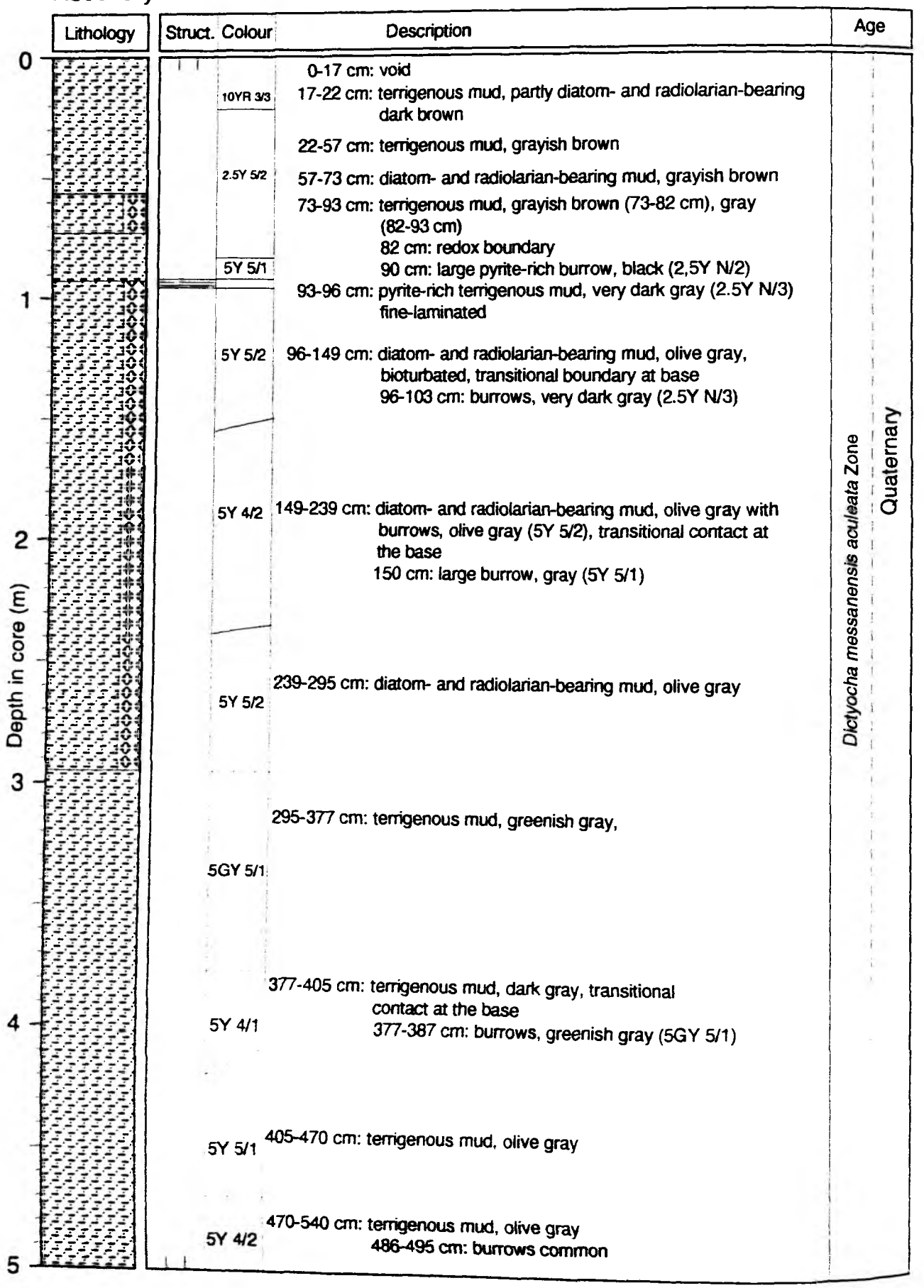
SO78/170-KAL-2 10° 06.80´S, 80° 39.80´W Mendana

Recovery: 5.73 m Water depth: 4994 m



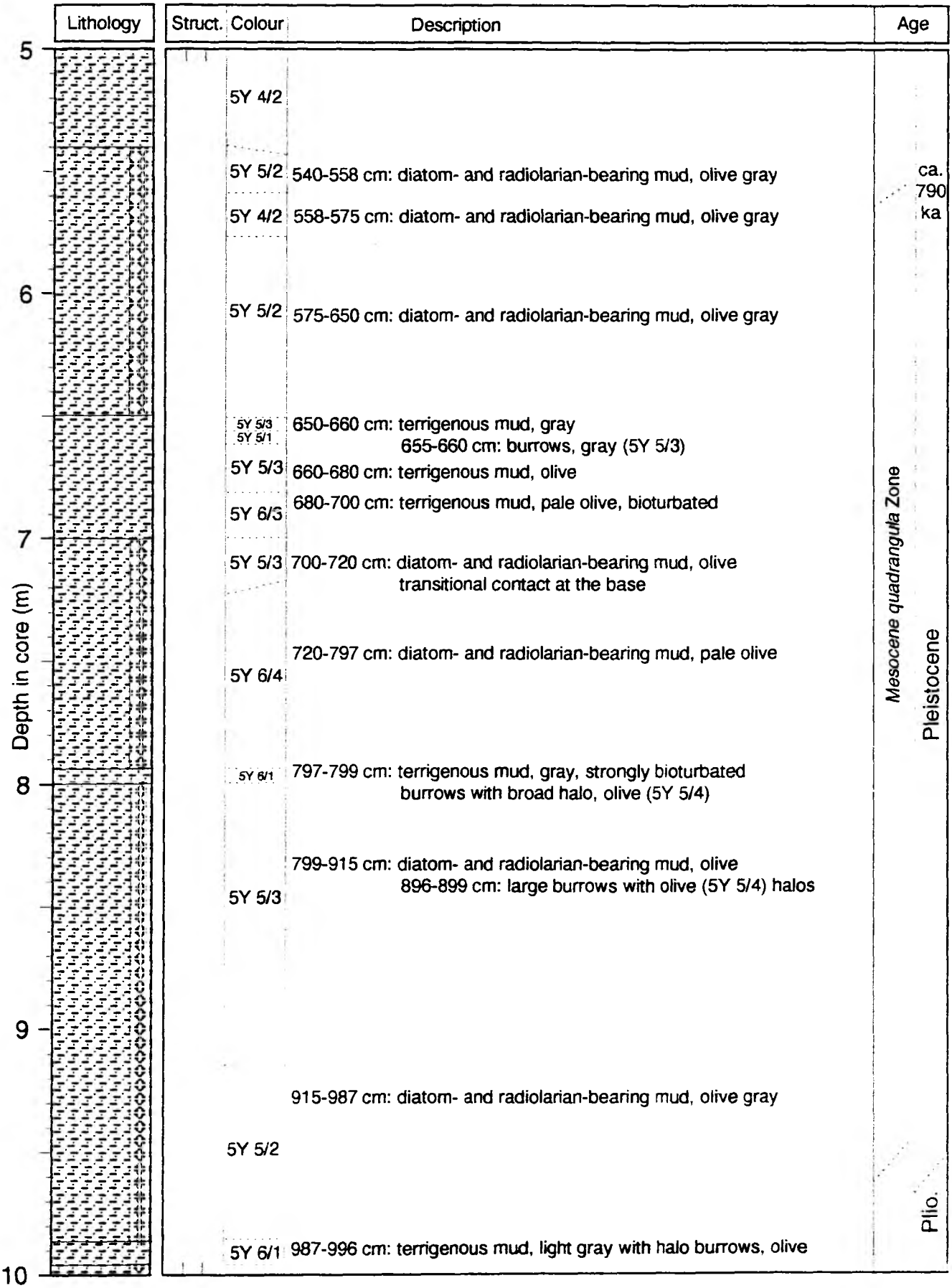
SO78/171-KAL-2 13° 13.31´S, 81° 07.59´W Peru Basin

Recovery: 11.48 m Water depth: 4861 m



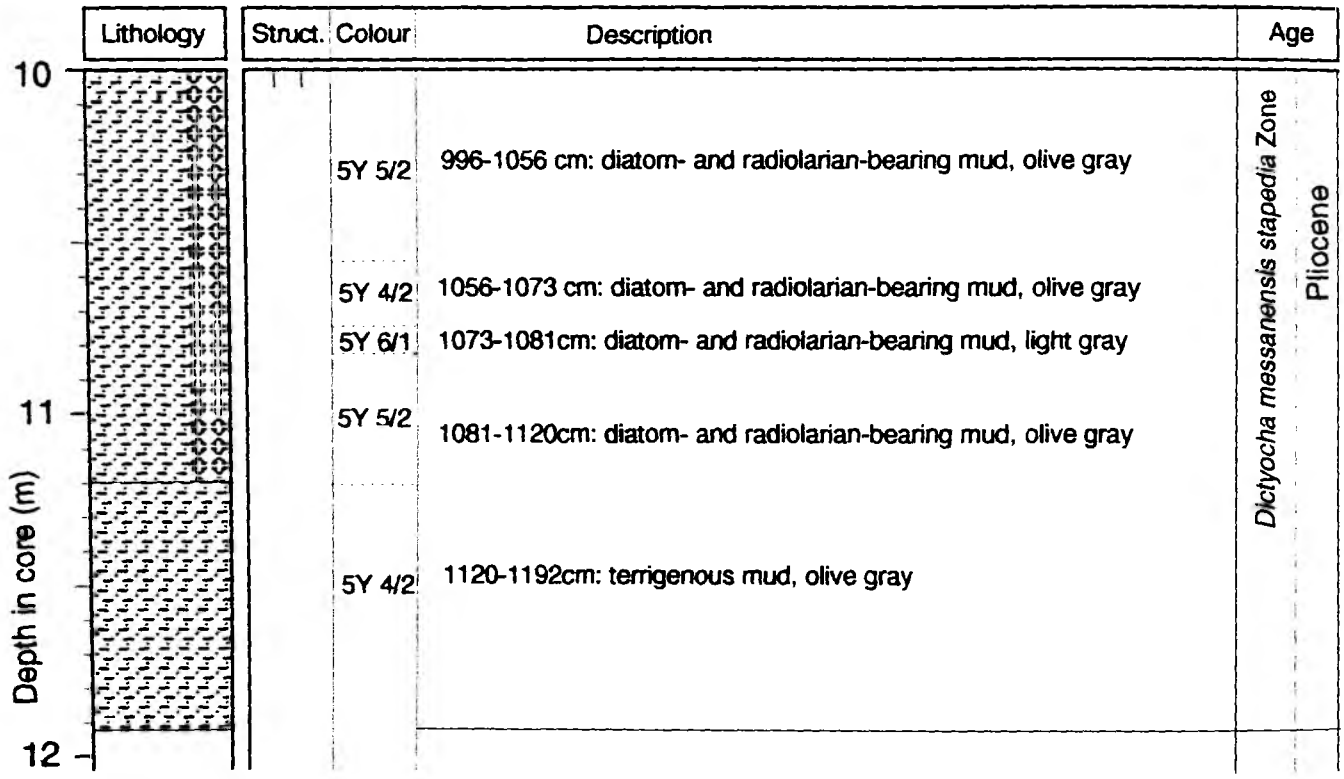
SO78/171-KAL-2 13° 13.31´S, 81° 07.59´W Peru Basin

Recovery: 11.48 m Water depth: 4861 m



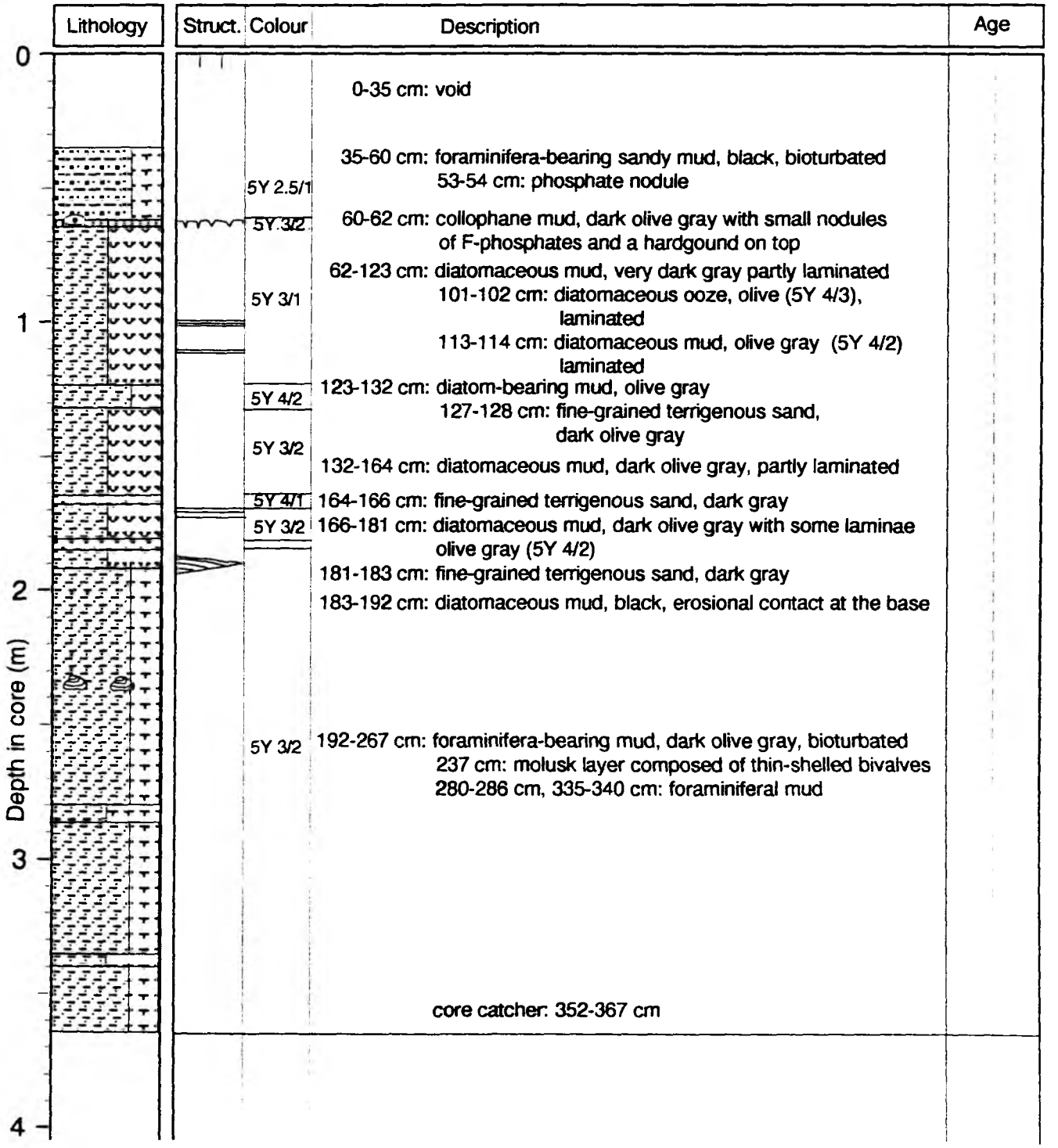
SO78/171-KAL-2 13° 13.31´S, 81° 07.59´W Peru Basin

Recovery: 11.48 m Water depth: 4861 m



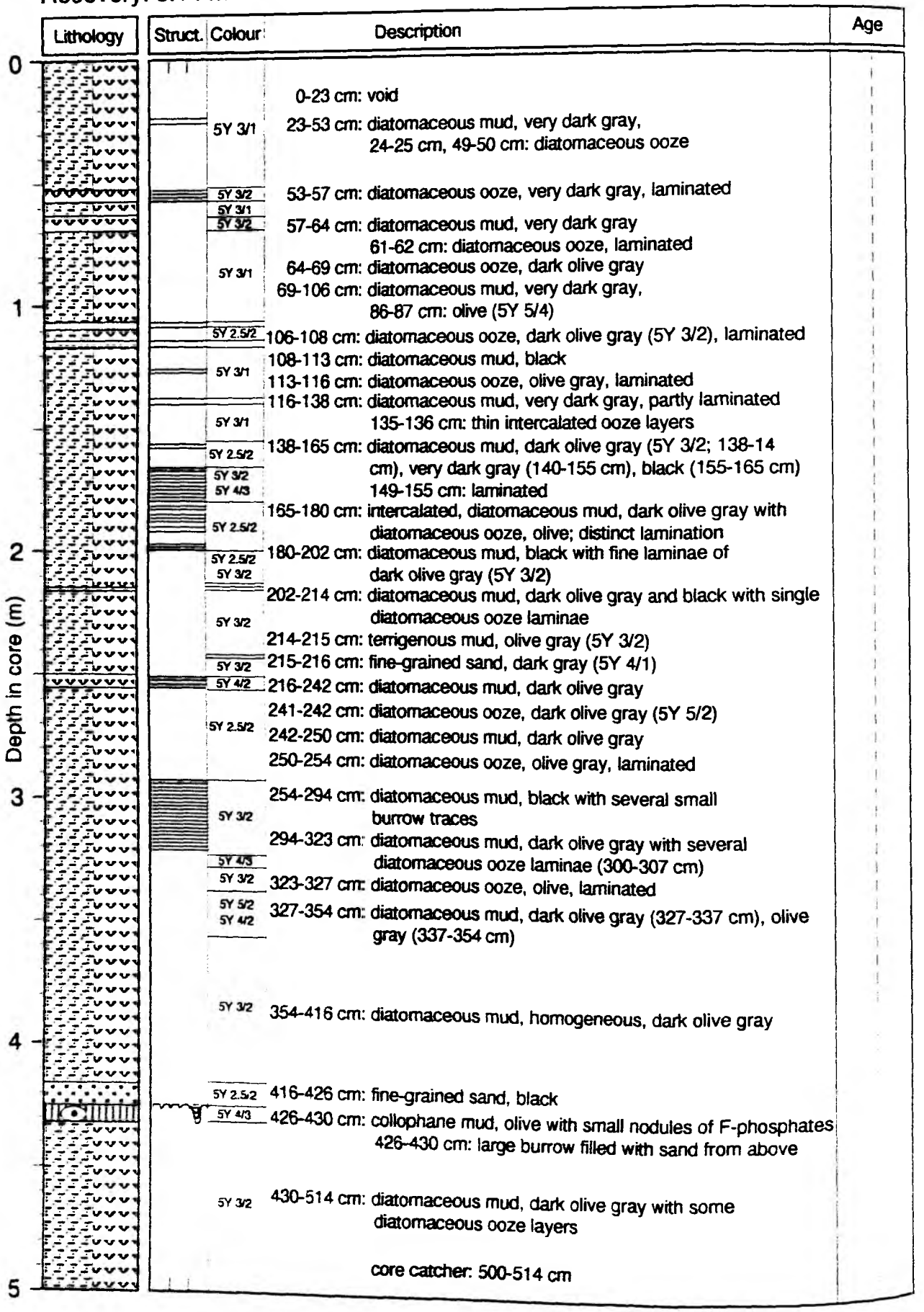
SO78/172-KAL-3 11° 27.93´S, 78° 09.57´W Callao

Recovery: 3.67 m Water depth: 511 m



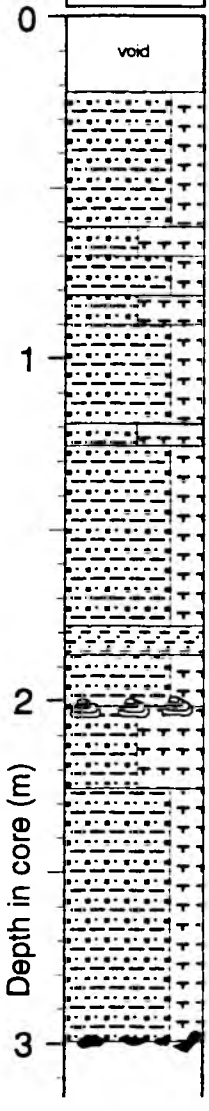
SO78/173-KAL-4 11° 05.64´S, 78° 00.81´W Callao

Recovery: 5.14 m Water depth: 204 m



SO78/175-KAL-1 11° 03.12´S, 78° 23.91´W Callao

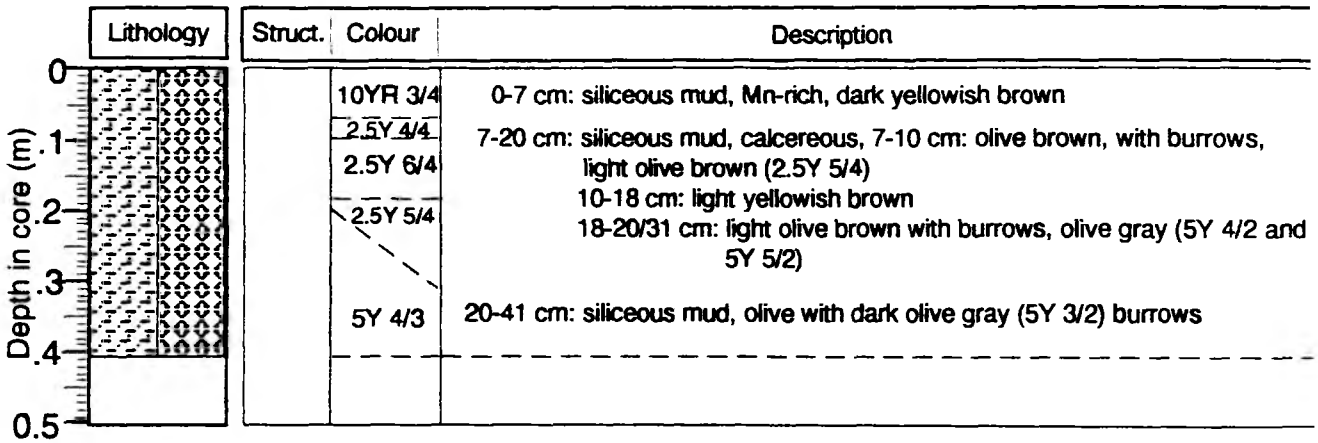
Recovery: 2.99 m Water depth: 695 m



Struct.	Colour	Description	Age
		0-23 cm: void	
	5Y 3/2	23-63 cm: foraminifera-bearing sandy mud, dark olive gray, bioturbated, 50-51 cm: foraminiferal sandy mud	
	5Y 4/4	63-70 cm: foraminiferal sandy mud, olive, bioturbated	
	5Y 3/2	70-83 cm: foraminifera-bearing sandy mud, dark olive gray	
	5Y 4/4	83-90 cm: foraminiferal sandy mud, olive, bioturbated	
	5Y 3/2	90-119 cm: foraminifera-bearing sandy mud, dark olive gray	
	5Y 4/4	119-126 cm: foraminiferal sandy mud, olive, bioturbated	
	5Y 3/1	126-171 cm: foraminifera-bearing sandy mud, very dark gray	
	5Y 4/4	171-178 cm: foraminiferal sandy mud, olive	
		178-184 cm: mud, very dark gray with sharp base and bioturbated top	
	5Y 3/1	184-202 cm: foraminifera-bearing sandy mud, very dark gray 195-196 cm, 199-200 cm: foraminiferal sandy mud	
	5Y 4/4	202 cm: molusk layer composed of thin-shelled bivalves 202-225 cm: foraminiferal sandy mud, olive	
	5Y 3/1	225-299 cm: foraminifera-bearing sandy mud, very dark gray, partly foraminiferal sandy mud as a minor lithology 280-299 cm: core catcher at the base of core catcher gravels and pebbles of dolomite and phosphorite (D-phosphate)	
		core catcher: 280-299 cm	

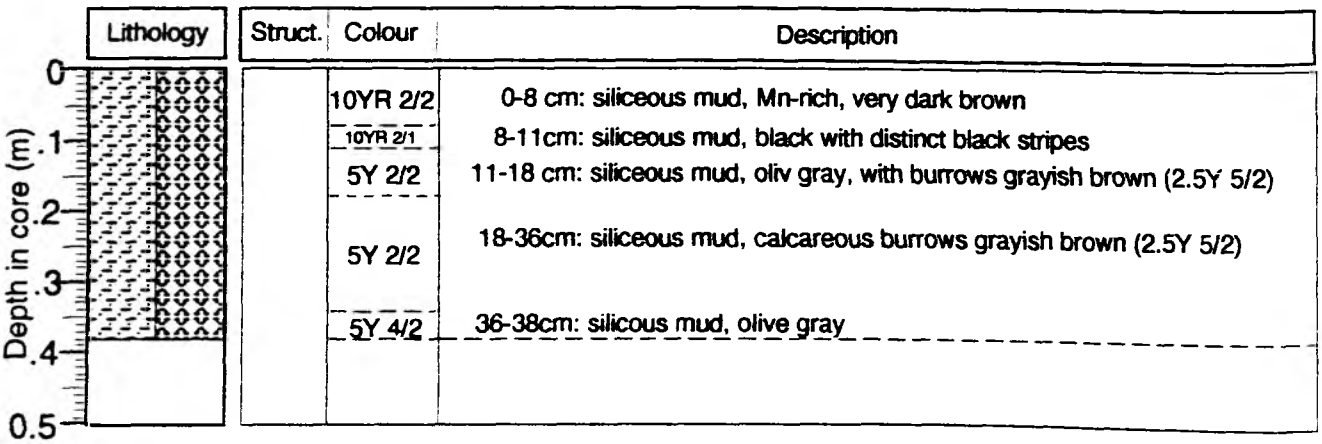
SO78/150-GKG-1 5° 30.07´S, 85° 22.36´W S´Grijalva Ridge

Recovery: 41 cm Water depth: 4080 m



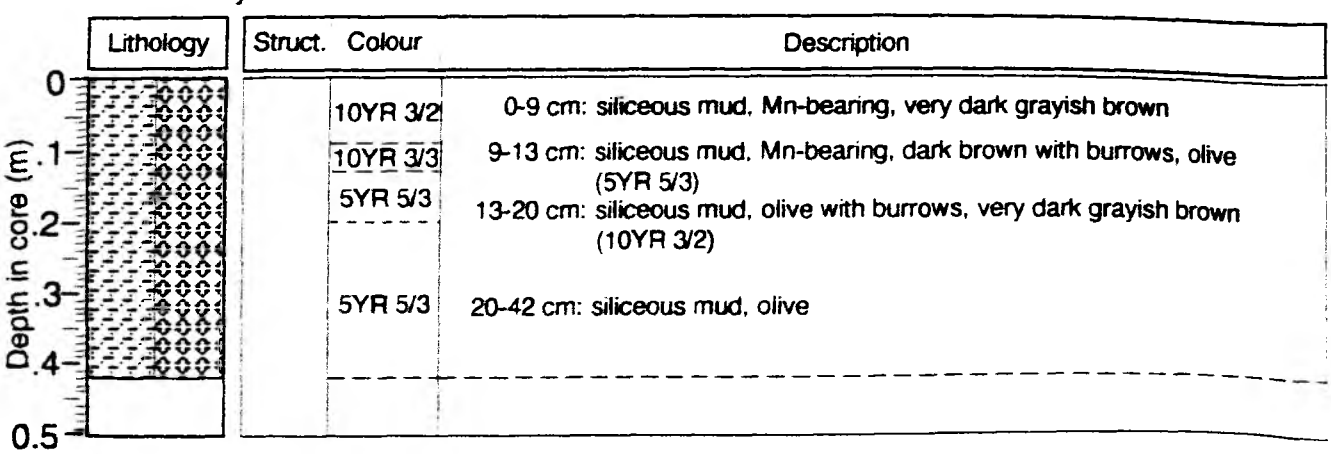
SO78/151-GKG-2 6° 34.20´S, 86° 11.45´W S´ Grijalva Ridge

Recovery: 38 cm Water depth: 4132 m



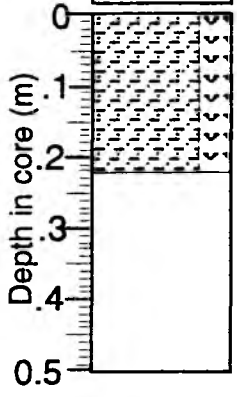
SO78/152/6-GKG-1 7° 04.38´S, 88° 27.44´W DISCOL

Recovery: 42 cm Water depth: 4187 m



SO78/159-GKG-1 10° 58.61´S, 78° 13.92´W Callao

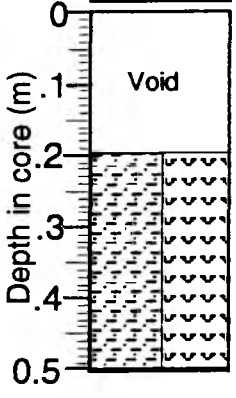
Recovery: 22 cm Water depth: 375 m



Lithology	Struct.	Colour	Description
		5Y 3/1	0 - 12 cm: diatom -bearing mud, very dark gray
		5Y 3/2	12 - 18 cm: diatom-bearing mud, dark olive gray
		5Y 2.5/1	18 - 22 cm: diatom-bearing mud, black

SO78/159-GKG-4 10° 58.77´S, 78° 13.75´W Callao

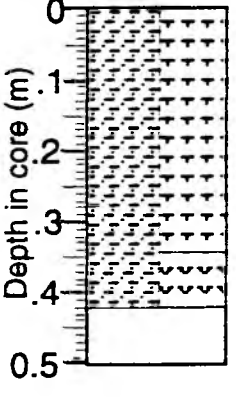
Recovery: 50 cm Water depth: 372 m



Lithology	Struct.	Colour	Description
Void			0 - 20 cm: spilled out and collapsed
		5Y 2.5/1	20 - 50 cm: diatomaceous mud, black

SO78/160-GKG-4 11° 04.03´S, 78° 25.56´W Callao

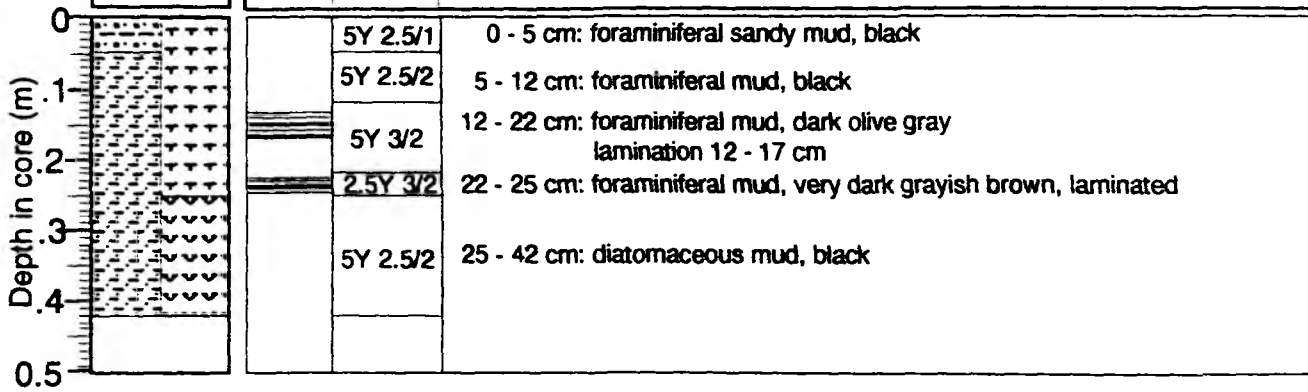
Recovery: 42 cm Water depth: 804 m



Lithology	Struct.	Colour	Description
		5Y 2.5/2	0 - 18 cm: foraminiferal mud, black with frequent diatoms
		5Y 3/1	18 - 34 cm: foraminiferal mud, very dark gray, with common diatoms 22 - 26 cm: lamination
		5Y 3/2	34 - 42 cm: diatomaceous mud, dark olive gray, with common foraminifera

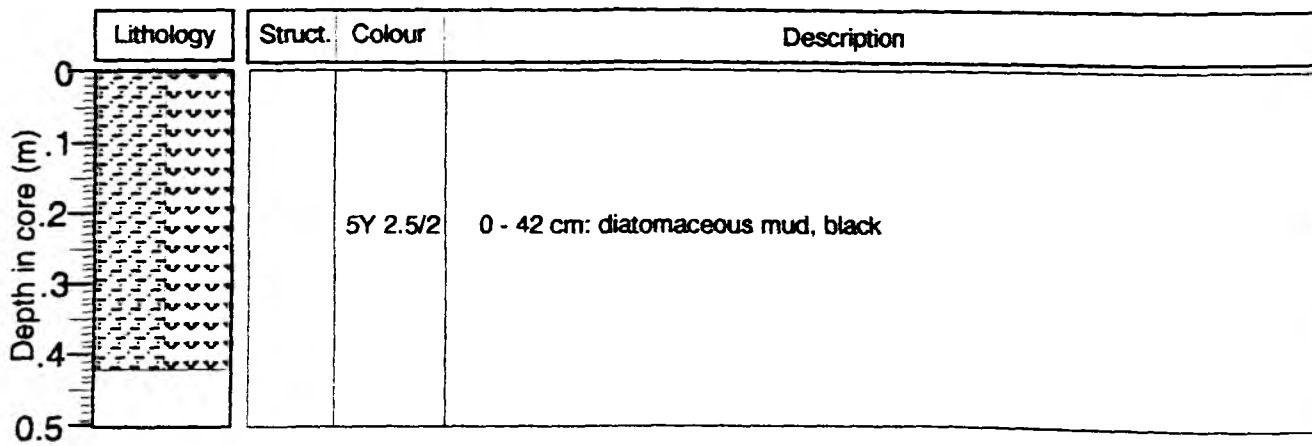
SO78/161-GKG-1 11° 28.17´S, 78° 09.54´W Callao

Recovery: 42 cm Water depth: 511 m



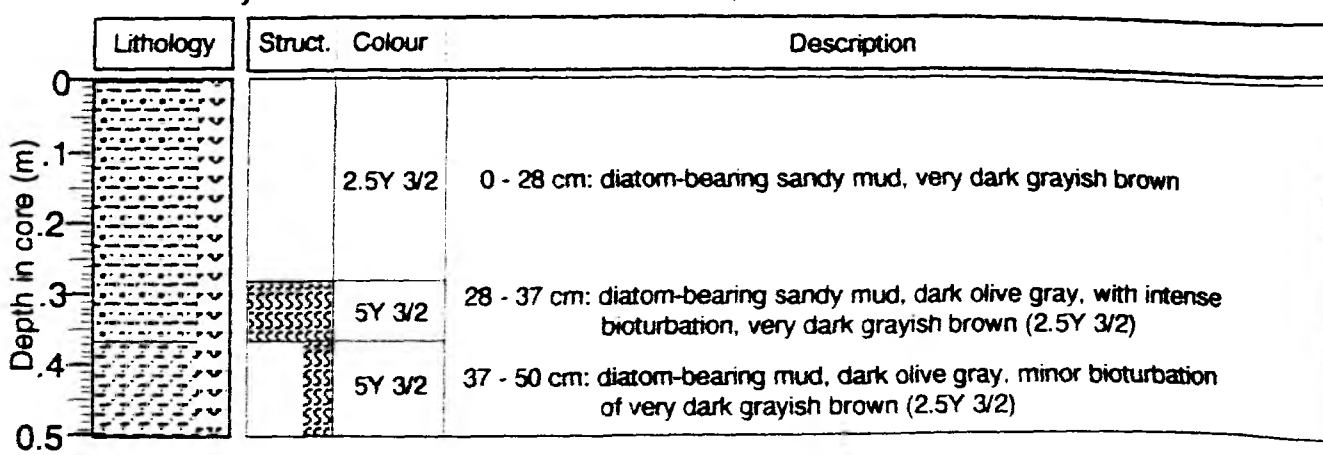
SO78/162-GKG-3 11° 19.71´S, 78° 01.41´W Callao

Recovery: 42 cm Water depth: 281 m



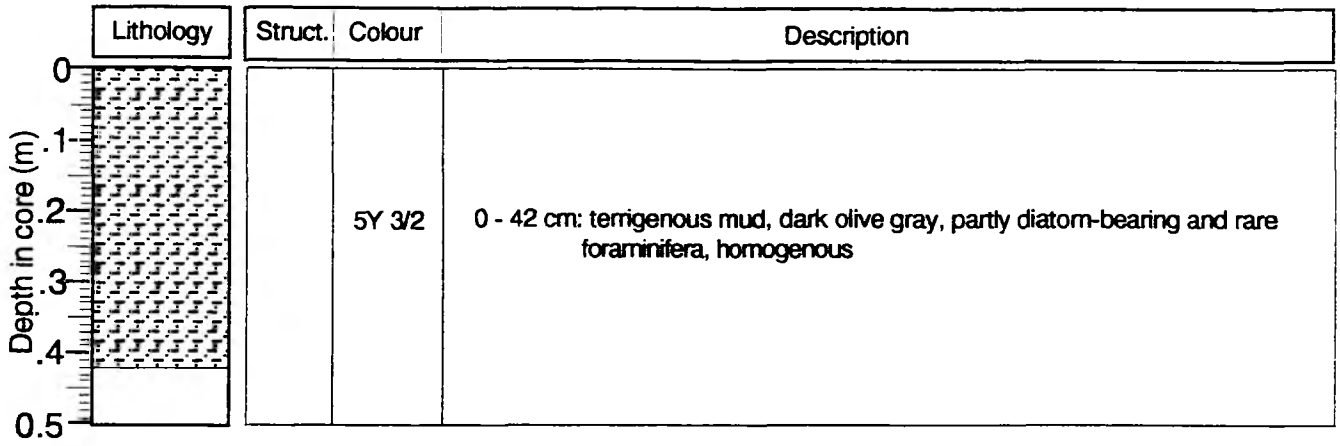
SO78/165-GKG-1 9° 35.97´S, 79° 54.01´W Chimbote

Recovery: 50 cm Water depth: 1767 m



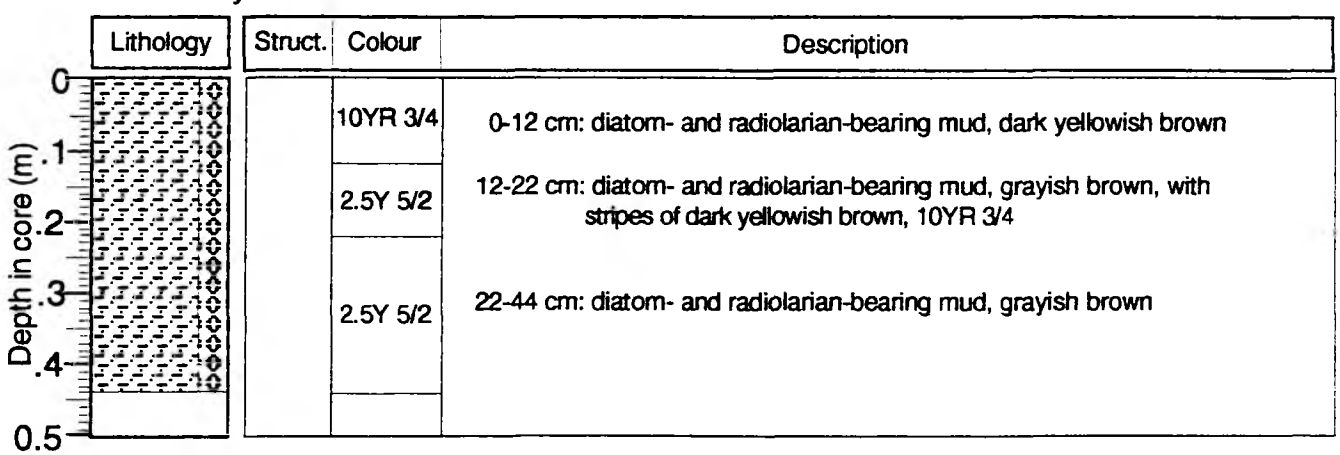
SO78/167-GKG 9° 25.59´S, 79° 47.08´W Chimbote

Recovery: 42 cm Water depth: 1291 m



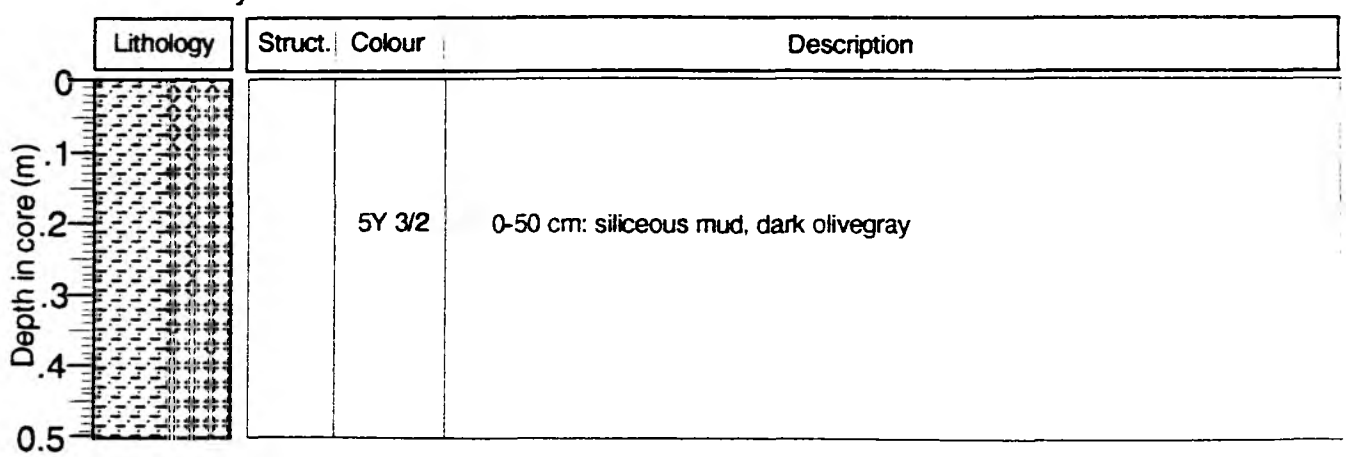
SO78/171-GKG-2 13° 13.29´S, 81° 07.69´W Peru Basin

Recovery: 44 cm Water depth: 4860 m



SO78/176/1-GKG 5° 37.00´S, 81° 42.66´W Paita

Recovery: 50 cm Water depth: 4251 m



Porenwaser-Daten

151-1-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	NH4 (µM)
-5,00	149,63	56,18	<1		3,50
-5,00	157,48	65,85	<1		3,50
0,50	313,52	69,71	<1		31,30
1,50	378,30	75,19	<1		17,40
2,50	425,40	71,65	<1		2,70
3,50	472,51	48,77	<1		2,50
4,50	496,06	85,20	<1		1,90
6,25	531,39		<1		1,10
8,75	563,78		<1		0,80
12,50	560,84		<1		1,40
17,50	566,72		<1		1,40
22,50	569,67		<1		1,20
27,50	578,50		<1	119,00	1,40
32,50	581,44		<1	11,00	1,10

151-3-KAL

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	Cl (mM)	Ca (mM)	NH4 (µM)
83	653,20	19,31	<1	3,27	555,7	10,06	0,10
123	671,48	6,19	<1	3,31	555,8	10,18	0,10
160	652,68	4,00	<1	5,64	553,5	10,18	0,10
168	700,18		<1	4,91	555,5	10,04	0,10
200	710,07	0,00	<1	4,77	556,7	10,07	0,50
233	684,35	0,00	<1	4,44	554,7	9,52	0,80
273	701,17	0,00	<1	3,67	555,7	9,81	1,50
323	714,03	0,00	<1	3,37	555	10,24	1,10
393	663,57	0,00	<1	3,47	555,6	10,11	0,60
435	711,06	0,00	<1	3,54	555,8	10,24	1,30
486	721,95	0,00	<1	3,51	556,1	10,28	1,20
539	711,06	0,00	<1	5,07	557,1	10,22	2,10
589	711,06	0,00	<1	4,27	559,4	10,32	2,00
610	685,34	0,00	<1	3,31	556,4	10,29	1,70

151-3-KAL

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	Cl (mM)	Ca (mM)	NH4 (µM)
83	653,20	19,31	<1	3,27	555,7	10,06	0,10
123	671,48	6,19	<1	3,31	555,8	10,18	0,10
160	652,68	4,00	<1	5,64	553,5	10,18	0,10
168	700,18		<1	4,91	555,5	10,04	0,10
200	710,07	0,00	<1	4,77	556,7	10,07	0,50
233	684,35	0,00	<1	4,44	554,7	9,52	0,80
273	701,17	0,00	<1	3,67	555,7	9,81	1,50
323	714,03	0,00	<1	3,37	555	10,24	1,10
393	663,57	0,00	<1	3,47	555,6	10,11	0,60
435	711,06	0,00	<1	3,54	555,8	10,24	1,30
486	721,95	0,00	<1	3,51	556,1	10,28	1,20
539	711,06	0,00	<1	5,07	557,1	10,22	2,10
589	711,06	0,00	<1	4,27	559,4	10,32	2,00
610	685,34	0,00	<1	3,31	556,4	10,29	1,70

151-1-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	NH4 (µM)
-5,00	149,63	56,18	<1		3,50
-5,00	157,48	65,85	<1		3,50
0,50	313,52	69,71	<1		31,30
1,50	378,30	75,19	<1		17,40
2,50	425,40	71,65	<1		2,70
3,50	472,51	48,77	<1		2,50
4,50	496,06	85,20	<1		1,90
6,25	531,39		<1		1,10
8,75	563,78		<1		0,80
12,50	560,84		<1		1,40
17,50	566,72		<1		1,40
22,50	569,67		<1		1,20
27,50	578,50		<1	119,00	1,40
32,50	581,44		<1	11,00	1,10

152-3-MUC

Tiefe (cm)	O2 (µM)
-5,00	117,60
5,00	137,78
6,00	74,36
7,00	70,04
8,00	57,07
9,00	51,31
10,00	45,54
11,00	39,78
12,00	35,45
13,00	31,13
14,00	28,25
15,00	25,36
16,00	22,48
17,00	18,16
18,00	16,72
19,00	16,72

152-8-MUC

Tiefe (cm)	O2 (µM)
-0,10	122,73
0,10	112,96
0,20	112,44
0,30	103,73
0,50	88,42
0,70	83,93
0,90	84,72
1,10	80,37
1,30	77,86
1,50	75,49
1,70	72,71
1,90	69,55
2,10	67,17
2,30	65,59
2,50	62,95
2,70	60,31
2,80	58,59
3,00	56,75
3,20	54,63
3,00	48,17
3,50	39,72
4,00	36,29
4,50	33,26
5,00	30,09
5,50	28,37
6,00	22,43
6,50	20,32
7,00	17,82
7,50	16,23
8,00	14,78
8,50	14,25
9,00	13,86
10,00	11,88
10,50	11,61
11,00	10,69
11,50	10,82
12,00	9,24
13,00	10,43
13,50	9,37

152-10-MUC

Tiefe (cm)	O2 (µM)
-0,10	118
0,10	101
0,20	89
0,30	80
0,40	72
0,50	67
0,60	63
0,70	60
0,80	58
0,90	57
1,00	56
1,10	57
1,20	56
1,40	57
1,60	57
1,80	56
2,00	55
2,20	54

152-12-MUC

Tiefe (cm)	O2 (µM)
-0,1	122
0,1	111
0,2	96
0,3	85
0,4	78
0,5	71
0,6	67
0,7	63
0,8	60
0,9	55
1,0	55
1,2	53
1,4	48
1,6	47
1,8	44
2,0	44
2,2	41
2,4	40
2,6	38
2,8	33
3,0	33

152-13-MUC

Tiefe (cm)	O2 (µM)
-0,10	116,90
0,00	119,15
0,10	103,97
0,20	85,43
0,30	71,38
0,40	61,26
0,50	55,08
0,60	50,02
0,70	46,09
0,80	43,84
0,90	41,59
1,10	43,28
1,30	43,28
1,50	43,84
1,70	43,28
1,90	42,71

152-18-MUC

Tiefe (cm)	O2 (µM)
-1,00	112,70
-0,50	97,64
-0,20	96,37
0,10	95,46
0,20	93,83
0,30	90,74
0,40	89,47
0,50	87,29
0,60	85,66
0,70	79,49
0,80	68,96
0,90	56,26
1,00	50,63
1,10	47,19
1,20	43,19
1,30	41,74
1,40	40,65
1,50	41,20

152-20-MUC

Tiefe (cm)	O2 (µM)
-0,10	156,23
0,10	133,13
0,20	124,88
0,30	110,30
0,40	99,85
0,50	88,57
0,60	78,94
0,70	72,07
0,80	70,14
0,90	68,21
1,00	67,66
1,20	61,89
1,40	61,89
1,60	59,41
1,80	56,94
2,00	56,39
2,20	54,74
2,40	54,46
2,60	54,74
2,80	56,11
3,00	57,49
3,20	56,94
3,40	55,84
3,50	59,69
4,00	51,71
4,50	47,86
5,00	42,63
5,50	39,61
6,00	42,36
6,50	50,89
7,00	50,89
7,50	50,34
8,00	49,24
9,00	46,48
10,00	38,23
10,50	37,41
12,00	37,13
13,00	27,78
13,50	20,90
14,50	19,25

152-21-GKG

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	Tiefe (cm)	O2 (µM)
0,50	299,37	43,68	2,42	6,15	0,50	117,00
1,50	350,18	48,70	2,67	6,35	1,00	66,22
2,50	380,52	45,36	2,42	6,33	1,50	60,74
3,50	407,06	42,32	1,91	6,35	2,00	58,25
4,50	426,02	40,19	1,71	6,40	2,50	53,77
6,25	446,50	39,27	1,71	6,40	3,00	48,79
8,75	483,66	37,45	1,41	6,49	3,50	43,31
12,50	509,44	35,17	1,61	6,50	3,50	35,10
17,50	539,78	32,89	1,41	6,60	4,00	27,38
22,50	555,71	30,76	1,30	6,59	4,50	25,89
27,50	573,15	29,24	1,41	6,60	5,00	21,66
32,50	584,53	28,78	1,30	6,61	5,50	18,17
					5,50	23,90
					6,00	19,42
					6,50	15,43
					7,00	11,70
					7,50	6,97
					8,00	4,23
					8,50	6,97
					9,00	6,22
					9,50	4,48
					10,00	3,49
					10,50	3,24

152-7-KAL

Tiefe (cm)	Cl (mM)	Ca (mM)	∑CO2 (mM)	NH4 (µM)
10,00	555,70	10,04	2,65	2,70
19,00	552,30	10,07	2,63	1,90
30,00	556,60	10,09	2,62	1,40
60,00	552,10	10,09	2,84	3,20
90,00	553,90	10,04	2,84	1,20
120,00	550,70	10,09	2,83	1,00
130,00	559,90	10,24	2,98	1,20
140,00	556,20	10,07	2,65	2,00
150,00	556,70	10,11	2,68	2,10
170,00	554,30	10,00	2,85	3,10
180,00	556,10	9,91	2,57	2,00
210,00	558,50	10,04	3,02	2,30
240,00	555,90	9,96	2,57	2,20
300,00	557,90	9,49	2,16	3,50
340,00	559,00	10,07	3,68	3,80
360,00	556,20	10,15	3,77	4,50
390,00	556,00	10,15	3,82	3,50
420,00	557,50	10,18	4,09	3,90
449,00	554,80	10,31	3,13	2,80
480,00	555,30	10,31	3,12	2,60
512,00	559,40	10,27	3,04	2,70
550,00	560,30	10,29	3,27	3,10
580,00	558,80	10,31	3,13	3,40
610,00	563,40	10,33	2,93	3,30
640,00	560,80	10,40	3,20	3,10
665,00	558,20	10,33	3,07	3,50
680,00	560,20	10,33	3,28	3,30

153-1-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	Tiefe (cm)	O2 (µM)
-5,00	162,26	31,61	1,33	6,37	-0,10	106,68
-5,00	167,52	31,12	1,33	6,47	0,10	99,12
0,50	271,29	40,58	2,44	7,10	0,20	82,95
1,50	328,43	40,91	2,44	6,42	0,30	72,24
2,50	384,08	37,48	1,74	6,42	0,40	65,94
3,50	426,19	36,01	1,43	6,53	0,50	57,33
4,50	465,29	35,69	1,43	6,63	0,60	58,17
6,25	483,33	35,52	1,43	6,77	0,70	58,17
8,75	519,43	35,04	1,43	6,60	0,80	59,22
11,25	544,24	34,38	1,43	7,40	0,90	59,22
13,75	551,76	32,42	1,33	6,89	1,00	58,59

153-1-MUC (forts)

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	Tiefe (cm)	O2 (µM)
16,25	563,79	31,61	1,43	6,73	1,20	57,54
18,75	584,85	32,10	1,54	6,77	1,40	55,23
					1,60	54,60
					1,80	51,45
					2,00	49,77
					2,20	46,83
					2,40	46,83
					2,60	46,41
					2,80	41,16
					3,00	37,59
					3,20	34,23
					3,40	35,07
					3,60	28,35

154-1-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)
0,50	298,38	38,52	2,50	7,39
1,50	391,35	39,75	2,71	6,86
2,50	460,33	35,66	2,09	6,91
3,50	433,34	31,85	1,88	6,86
4,50	559,29	29,13	2,09	6,93
6,25	578,79	26,81	2,50	6,99
8,75	631,27	22,05	2,50	7,07
11,25	701,74	19,05	2,81	7,22
13,75	688,25	11,16	1,88	7,10
16,25	656,76	8,43	2,09	6,99
20,00	650,76	7,07	1,78	7,19
23,75	568,29	4,35	1,88	7,39

156-8-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 µM	NO2 (µM)	NH4 (µM)	PO4 (µM)	Tiefe (cm)	O2 (µM)
-5,00	128,52	26,18	<1	4,00	2,18	-0,10	121,56
-5,00	130,50	26,18	<1	4,00	2,18	0,10	78,96
0,50	494,00	32,65	<1	17,10	3,94	0,20	49,87
1,50	595,30	5,70	<1	19,30	6,03	0,30	28,57
2,50	623,11	3,55	<1	31,00	5,07	0,40	16,62
3,50	640,99	3,55	<1	31,60	4,75	0,50	7,27
4,50	705,54			37,30	6,83	0,60	2,60
6,25	737,33			44,00	9,19	0,70	1,04
8,75	789,96			52,10	7,41		
12,50	777,05			56,50	6,59		
17,50	744,29			57,30	5,28		
22,50	734,35			61,00	4,75		
27,50	744,29			64,30	4,39		
32,50	737,33			66,10	4,43		

160-3-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	Tiefe (cm)	O2 (µM)
-5,00	78,27	41,93	<1	10,97	-0,10	36,90
-5,00	79,27	41,66	<1	11,22	0,10	25,32
0,50	149,67	2,59	<1	11,92	0,20	18,88
1,50	174,31	2,59	<1	18,07	0,30	15,02
2,50	176,83	2,17	<1	33,15	0,40	14,59
3,50	167,77	9,98	<1	38,81	0,50	11,58
4,50	167,77	4,29	<1	30,14		
6,25	186,88	2,17	<1	46,48		
8,75	239,17	0,04	<1	54,07		
11,30	247,22	0,04	<1	50,87		
13,80	237,17	0,04	<1	38,94		
16,30	198,95	0,04	<1	27,00		
18,80	187,89	0,04	<1	23,10		
22,50	204,98	0,04	<1	21,97		

162-2-MUC

Tiefe (cm)	ΣCO2 (mM)	H2S (µM)	NH4 (µM)
0,00	2,61	0,00	117
1,00	3,07	0,00	161
2,00	3,54	0,00	242
3,00	3,82	0,00	321
4,00	4,29	0,00	388
5,00	5,02	0,00	490
7,50	5,78	0,00	585
10,00	6,70	0,00	699
15,00	7,43	0,00	858
20,00	8,68	0,08	1183
25,00	9,50	0,15	1254
30,00	10,25	0,20	1484

162-6-KAL

Tiefe (cm)	ΣCO2 (mM)	H2S (µM)	NH4 (µM)
30,00		0,2	1484
60,00	12,57	0,4	1572
90,00	15,25	1,8	1810
120,00	16,34	1,1	2073
150,00	17,02	1,3	2128
180,00	17,94	1,8	2148
210,00	18,83	0,68	2266
240,00	19,03	0,8	2420
270,00		0,42	1981

165-3-KAL

Tiefe (cm)	ΣCO2 (mM)	NH4 (µmol/l)
40,00	3,34	122
100,00	4,58	242
150,00	5,17	376
200,00	6,18	477
250,00	7,25	636
300,00	8,32	782
350,00	9,64	890
400,00	10,28	1256
450,00	10,98	1359
490,00	11,16	1463

167-3-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 µM	NO2 (µM)	PO4 (µM)	ΣCO2 (mM)	NH4 (µM)	H2S (µM)
-5,00	130,08	28,49	<1	5,43			
-5,00	130,08	28,49	<1	5,50			
0,50	104,49	7,38	<1	18,74	2,69	2,3	0,0
1,50	128,03	4,13	<1	29,12	2,7	2,6	
2,50	140,32			37,65	2,86	3,2	
3,50	149,53			36,34	2,76	36	
4,50	153,62			40,74	2,79	49	0,0
6,25	158,74			36,27	2,84	52	
8,75	150,55			26,51	2,76		
12,50	145,43			23,41	2,95	56	
17,50	150,55			25,89	2,97	59	
22,50	146,46			20,46	2,96	59	0,0
27,50	141,34			20,32			
32,50	140,32			22,24			

167-2-KAL

Tiefe (cm)	ΣCO2 (mM)	NH4 (µM)	H2S (µM)
30	2,61	62	0,000
80	2,71	155	0,000
90	4,32	543	0,000
120	7,49	907	0,000
150	10,31	1267	0,027

167-2-KAL (forts)

Tiefe (cm)	∑CO2 (mM)	NH4 (µM)	H2S (µM)
180	12,85	1659	0,580
210	16,22	1787	1,600
240	18,32	2124	1,500
270	20,81	2531	1,500
300	24,24	2434	
330	23,46	2961	3,000
360	25,58	3368	0,300
390	29,97	3403	1,600
420	35,91	3740	3,500
450	38,21	3729	4,100
480	41,09	3461	5,200
500	37,57	3972	2,990

170-2-KAL

Tiefe (cm)	Si (µM)	PO4 (µM)	NH4 (µM)	Cl (mM)	NH4 (µM)	∑CO2 (mM)	Cl (mM)
30,00	584,12	16,68			47,00	2,91	555,00
40,00			58,00	554,50			
60,00	647,62	22,79			90,00	3,42	
70,00			103,00				
90,00	647,62	27,66	140,00		122,00	3,94	
100,00			162,00				
110,00			173,00	555,90			
120,00	666,67	32,92			150,00	4,30	554,30
140,00			192,00				
150,00	679,37	45,81			197,00	4,85	
170,00			219,00				
180,00	679,37	49,15			199,00	5,10	
200,00			253,00				
210,00	698,42	53,93			240,00	5,07	554,80
230,00			279,00	554,00			
240,00	714,29	57,75			254,00	5,53	
260,00			293,00				
270,00	726,99	59,47			271,00	5,71	
290,00			306,00				
300,00	726,99	60,71			284,00	6,02	
320,00			305,00				
334,00	723,82	52,50					
350,00			327,00				
380,00							
398,00	742,87	55,84	354,00		318,00	6,68	
410,00			361,00				
440,00			366,00	556,40			
464,00	692,07	59,66			344,00	6,64	555,60
470,00			362,00				
495,00	720,64	53,45			337,00	6,70	
510,00			377,00				
525,00	720,64	56,79			344,00	7,10	
540,00			389,00				
555,00	657,15	56,89			354,00	6,97	

170-1-MUC

Tiefe (cm)	∑CO2 (mM)
0,00	2,25
0,00	2,46
1,00	2,40
2,00	2,38
3,00	2,36
4,00	2,39
5,00	2,36
7,50	2,53

170-1-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	∑CO2 (mM)	NH4 (µM)	Tiefe (cm)	O2 (µM)
-5,00	135,94	37,62	<1	6,28	2,25	0,00	-5,00	105,08
-5,00	135,94	37,70	<1	6,28	2,46	0,00	0,10	93,24
0,50	228,72	40,19	<1	51,08	2,40	0,00	0,20	82,39
1,50	290,22	36,96	<1	17,34	2,38	0,00	0,30	73,01
2,50	345,24	32,16	<1	20,98	2,36	0,00	0,40	63,15

170-1-MUC (forts.)

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	ΣCO2 (mM)	NH4 (µM)	Tiefe (cm)	O2 (µM)
3,50	394,87	20,48	<1	18,18	2,39	0,00	0,50	53,77
4,50	419,69	20,89	<1	19,93	2,36	0,00	0,60	47,36
6,25	440,19	16,26	<1	26,44	2,53	0,00	0,70	42,43
8,75	481,19	8,39	<1	23,08			0,80	37,99
11,30	457,45	8,72	<1	23,01			0,90	35,03
							1,00	33,05
							1,20	31,08
							1,40	30,59
							1,60	29,11
							1,80	28,12
							2,20	24,17
							2,40	20,72
							2,60	18,75
							3,00	10,85
							3,50	5,43
							4,00	3,95
							4,50	3,45
							5,00	2,96
							5,50	2,47

171-1-MUC

Tiefe (cm)	Si µM	NO3+NO2 µM	NO2 (µM)	PO4 (µM)	ΣCO2 (mM)	NH4 (µM)	Tiefe (cm)	O2 (µM)
-5,00	128,71	34,13	1,32	4,77			-5,00	107,03
-5,00	134,06	33,97	1,18	4,99			0,10	94,23
0,50	160,82	45,95	2,31		2,19	0	0,20	81,43
1,50	249,11	44,86	2,45	5,09	2,29	0	0,30	69,73
2,50	274,53	40,33	2,03	3,85	2,25	0	0,40	59,58
3,50	301,29	36,82	1,74	7,17	2,32	0	0,50	48,77
4,50	322,69	39,16	1,60	4,83	2,20	0	0,60	41,27
6,25	350,78	38,74	1,60	10,04	2,27	0	0,70	30,67
8,75	368,18	40,42	1,32	6,78	2,35	0	0,80	26,70
11,30	374,86	44,02	1,32	6,16	2,18	0	0,90	19,20
13,80	396,27	36,15	1,32	8,12	2,38	0	1,00	15,67
16,30	398,94	30,87	1,60	7,11	2,34	0	1,20	10,37
18,80	401,62	29,95	1,46	7,76	2,25	0	1,40	6,84
21,30	413,66	27,85	1,46	7,11	2,21	0	1,60	5,08
							1,80	5,08
							2,00	5,08

171-2-KAL

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	PO4 (µM)	ΣCO2 (mM)	NH4 (µM)
70	439,08	5,23	9,34	2,29	0,10
100	452,46	0,62	10,76	2,44	0,10
130	468,51	1,88	22,53	2,17	0,10
160	481,89	0,20	15,42	2,39	1,80
220	495,27		16,39	2,26	4,70
250	509,98		15,94	2,42	5,80
280	530,05		18,65	2,36	7,00
310	500,62		16,71	2,71	7,40
340	534,06		18,78	2,57	7,80
370	515,33		10,44	2,51	9,90
400	509,98		10,89	2,72	8,80
425	559,48		15,42	2,74	8,90
460	522,02		10,89	2,34	9,90
490	563,49		13,22	2,36	9,30
520	563,49		15,48	2,62	9,20
550	548,26		14,77	2,55	11,00
600	621,12		15,42	2,38	9,90
630	629,21		17,23	2,78	10,10
660	621,12		18,65	2,43	9,90
690	621,12		17,03	2,54	11,20
720	613,02		17,23	2,54	10,90
750	564,45		16,39	2,57	11,60
780	561,75		18,00	2,53	9,90
810	548,26		15,74	2,43	10,20
840	545,56		19,30	2,67	11,00
870	550,96		17,36	2,38	10,80
900	567,15		18,46	2,61	11,50
930	545,56		17,55	2,60	10,40
960	572,54		12,19	1,62	11,50

171-2-KAL (forts.)

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	PO4 (µM)	ΣCO2 (mM)	NH4 (µM)
990	532,07		18,00	2,78	12,20
1020	545,56		18,00	2,58	11,50
1050	586,04		18,65	2,67	11,80
1080	583,34		19,17	2,38	12,20

173-MUC

Tiefe (cm)	Si (µM)	PO4 (µM)	ΣCO2 (mM)	NH4 (µM)	Tiefe (cm)	pH
-5,00	89,18	—			-5,00	7,74
-5,00	89,18	—			0,50	7,72
0,50	411,90	—	3,77	190,00	1,00	7,60
1,50	873,45	—	5,26	431,00	1,50	7,46
2,50	938,71	—	6,82	588,00	2,00	7,38
3,50	853,28	—	8,59	659,00	2,50	7,34
4,50	931,59	80,94	8,08	741,00	3,00	7,43
6,30	957,69	172,15	12,83	1217,00	3,50	7,45
8,80	967,19	193,18			4,00	7,40
12,50	968,37	172,15	14,90	1603,00	4,50	7,36
17,50	955,32	—	15,64	1639,00	5,00	7,36
22,50	945,83	251,39	16,37	1834,00	5,50	7,34
27,50	932,78	222,28	16,47	1893,00		
32,50	929,22	173,77	16,71	1905,00		

173-KAL

Tiefe (cm)	Si (µM)	PO4 (µM)	ΣCO2 (mM)	NH4 (µM)
30,00	455,04	17,07		
40,00			17,61	2088
60,00	816,81	131,82		
90,00	707,18	130,23		
100,00			22,30	2502
120,00	909,39	111,24		
150,00	859,44	78,00	25,62	2860
180,00	838,74	63,76	24,06	2802
200,00			26,30	2910
210,00	822,90	43,98	25,13	2856
240,00	819,25	36,06	22,63	2862
250,00			24,58	2895
270,00	820,47	33,69		
300,00	810,72	24,19		
420,00			23,62	2816
430,00			20,68	2901
480,00			20,88	2794
500,00			20,90	2641

176-MUC

Tiefe (cm)	Si (µM)	NO3+NO2 (µM)	NO2 (µM)	PO4 (µM)	NH4 (µM)	ΣCO2 (mM)	Tiefe (cm)	O2 (µM)
0,50	312,36	24,22	1,73	8,75	1,40	2,32	-5,00	125,69
1,50	549,84	21,09	1,87	10,92	13,40	2,47	0,10	82,11
2,50	575,82	4,40	1,44	12,55	22,20	2,67	0,20	52,86
3,50	548,61	4,10	1,44	2,59	31,20	2,70	0,30	32,90
4,50	610,45	1,87	1,44	8,75	39,00	2,59	0,40	18,84
6,30	656,22	1,12	1,58	8,02	46,50	2,71	0,50	9,84
8,80	659,93	3,36	1,58	8,93	55,50	2,78	0,60	4,78
12,50	659,93	4,10	1,73	8,57	73,70	2,97	0,70	3,37
17,50	624,06	2,61	1,29	8,46	88,30		0,80	1,69
22,50	659,93	1,12	2,02	9,47	106,70	3,06	0,90	1,97
27,50	654,98	7,08	0,57	15,99	138,00	3,36		
32,50	641,37	7,08	0,57	12,01	168,00	3,67		

Methan in der Wassersäule

Station 152-1

Tiefe (m)	CH4 (nl/l)
10	30,60
250	36,00
500	26,40
750	13,60
1000	12,20
2000	13,10
3000	13,60
3500	11,40
3800	13,10
4000	11,30
4080	14,90
4138	14,20

Station 155-1

Tiefe (m)	CH4 (nl/l)	O2 (µmol/l)	Temp (°C)	Salinität (ppt)
0	38,50	169,72	27,20	Zodiac
17	54,30	167,70	27,84	34,65
44	37,10	172,20	27,21	34,65
95	20,60	102,70	19,53	35,08
244	30,00	19,47	13,71	34,94
498	15,50	9,04	8,24	34,63
1513	20,20	72,84	3,07	34,60
1825	12,00	78,64	2,56	34,61
2031	11,90	86,92	2,27	34,64
2240	11,70	89,30	2,22	34,63
2346	13,00	89,20	2,24	34,63
2446	23,40	90,80	2,11	34,64
2500	12,20	76,80	2,01	34,65

Station 156-1

Tiefe (m)	CH4 (nl/l)	2 (µmol/l)
250	67,50	18,67
1500	11,30	
2500	12,00	99,79
3500	12,60	109,86
4000	12,50	114,61
4500	14,10	122,90
4800	18,20	125,96
4900	20,70	126,70
5000		125,70
5100	13,20	
5159	15,70	125,75

Station 156-10

Tiefe (m)	CH4 (nl/l)
10	102,40
100	33,30
150	36,40
200	38,50
250	53,20
300	52,80
400	17,40
750	15,70
1000	13,80

Station 157-1

Tiefe (m)	CH4 (nl/l)
10	34,50
100	98,40
500	25,00
1500	19,10
3500	
3600	29,70
3700	36,30
3800	36,30
3900	42,30
3950	35,10
4000	51,70
4037	52,60

Station 157-2

Tiefe (m)	CH4 (nl/l)
10	31,40
25	48,10
50	58,40
100	79,70
250	183,50
500	174,10
750	137,60
1000	60,80
1500	43,70
2000	28,00
2500	52,20
2909	33,00

Station 157-3

Tiefe (m)	CH4 (nl/l)
2000	61,70
3500	21,50
3650	35,10
3850	28,80
3950	39,10
4050	33,20
4100	40,20
4150	31,00
4300	51,40
4400	29,80
4500	39,40
4742	37,30

Station 157-4

Tiefe (m)	CH4 (nl/l)
10	45,00
25	92,20
75	28,80
100	24,40
250	52,60
500	37,40
750	33,20
1000	8,90
1250	10,00
1500	27,40

Station 157-5

Tiefe (m)	CH4 (nl/l)
100	34,60
750	9,50
1000	46,30
1500	43,90
1800	20,80
2100	16,30
2300	32,70
2500	28,00
2700	41,50
3000	26,90

Station 157-6

Tiefe (m)	CH4 (nl/l)
250	89,90
500	29,30
1900	11,80
2300	10,30
3000	51,90
3800	45,90
4100	34,60
4250	74,50
4300	53,80
4697	37.10

Station 157-4 forts.)

Tiefe (m)	CH4 (nl/l)
1800	25,00
2000	9,20
2500	11,50
3000	19,20
3500	23,00
3800	13,00
4100	14,40
4400	24,80
4700	34,20
5000	24,90
5200	13,30
5371	33,00

Station 160-1

Tiefe (m)	CH4 (nl/l)	O2 (µmol/l)
10	35,60	172,15
25	20,50	160,87
50	40,50	129,54
100	38,20	9,73
200	75,40	6,39
300	36,60	7,88
400	34,70	11,25
500	19,80	14,40
600	211,20	15,14
700	31,20	28,93
750	30,00	39,07
795	27,20	41,03

Station 162-1

Tiefe (m)	CH4 (nl/l)	2 (µmol/l)
50	63,20	103,27
100	88,10	57,13
125	46,90	27,07
150	59,30	8,61
175	51,90	8,06
200	76,80	6,31
225	75,10	7,26
250	68,70	9,9
270	69,80	7,58

Station 163-3

Tiefe (m)	CH4 (nl/l)
25	25,20
75	35,70
250	86,80
1000	8,70
2500	11,50
3590	14,20
3620	17,90
3650	17,20
3680	18,70
3710	14,80
3740	16,40
3766	16,70

Station 166-3

Tiefe (m)	CH4 (nl/l)
2370	15,00
2420	10,30
2470	12,20
2520	10,80
2570	17,70
2620	16,40
3640	26,20
3660	18,80
3680	26,20
3700	17,90
3720	23,90
3740	16,60

Station 168-1

Tiefe (m)	CH4 (nl/l)
100	35,80
750	8,10
2600	10,40
2640	11,70
2680	11,80
2720	12,00
2760	10,70
2800	14,60
3560	15,50
3600	15,50
3640	18,60

Station 170-3

Tiefe (m)	CH4 (nl/l)
25	23,20
100	59,50
500	9,10
1000	7,60
2000	8,50
3900	7,80
4000	7,00
4100	7,90
4200	9,70
4250	9,10
4300	7,90

Station 177-3

Tiefe (m)	CH4 (nl/l)
3060	109,70
3070	85,70
3080	127,00
3100	105,20
3110	100,10
3120	100,90
3130	72,20
3140	116,50
3150	97,50
3160	104,40

Station 177-10

Tiefe (m)	CH4 (nl/l)
2300	15,90
2500	12,60
2700	14,20
2800	13,30
2900	18,20
2950	57,80
3000	114,60
3050	105,60
3100	115,80
3150	93,50
3200	95,00
3230	104,80

Station 180-2

Tiefe (m)	CH4 (nl/l)
1500	30,60
2000	13,40
3300	35,50
3400	61,50
3550	41,40
3760	34,50

HYDROSWEEP und PARASOUND Profile

PROFILE

HS: Hydrosweep
PS: Parasound

STATION	GERÄT	DATUM	UHRZEIT (UTC)	BREITE	LÄNGE	
P. 1	PS	3.3.92	17:30	05° 05 00'S	85° 11 90'W	Beginn
		3.3.92	20:47	05° 30 20'S	85° 22 35'W	Ende
P. 2	PS	4.3.92	12:30	06° 30 87'S	86° 02 12'W	Beginn
		4.3.92	14:03	06° 34 76'S	86° 12 92'W	Ende
P. 3/1	PS	8.3.92	5:21	07° 07 86'S	88° 34 92'W	Beginn
		8.3.92	7:45	07° 07 97'S	88° 15 81'W	Ende
P. 4/1	PS	8.3.92	8:30	07° 04 82'S	88° 15 77'W	Beginn
		8.3.92	10:45	07° 03 99'S	88° 33 14'W	Ende
P. 5	PS	8.3.92	22:52	07° 01 04'S	88° 34 99'W	Beginn
		9.3.92	3:30	07° 00 98'S	88° 09 81'W	Ende
P. 4/2	PS	9.3.92	4:05	07° 39 88'S	88° 98 17'W	Beginn
		9.3.92	5:20	07° 40 00'S	88° 15 00'W	Ende
P. 3/2	PS	9.3.92	6:21	07° 07 99'S	88° 14 87'W	Beginn
		9.3.92	7:14	07° 07 98'S	88° 10 05'W	Ende
P. 6	PS	14.3.92	3:28	05° 37 00'S	81° 52 00'W	Beginn
		14.3.92	4:48	05° 29 23'S	81° 52 00'W	Ende
P. 7	PS	15.3.92	5:49	05° 27 88'S	81° 58 93'W	Beginn
		15.3.92	8:41	05° 27 01'S	81° 41 00'W	Ende
P. 8/1	PS	15.3.92	9:13	05° 31 15'S	81° 39 85'W	Beginn
		15.3.92	10:13	05° 31 05'S	81° 46 79'W	Ende
P. 8/2	PS	16.3.92	23:33	05° 30 98'S	81° 46 93'W	Beginn
		17.3.92	1:40	05° 31 00'S	81° 58 46'W	Ende
P. 9	PS	17.3.92	3:32	05° 45 00'S	81° 59 00'W	Beginn
		17.3.92	6:30	05° 45 00'S	81° 40 00'W	Ende
P.10/1	PS	17.3.92	7:58	05° 49 00'S	81° 25 00'W	Beginn
		17.3.92	9:03	05° 49 00'S	81° 31 70'W	Ende
P.10/2	PS	19.3.92	7:15	05° 49 00'S	81° 31 82'W	Beginn
		19.3.92	10:45	05° 48 93'S	81° 59 00'W	Ende
Callao 1	PS	21.3.92	5:55	11° 10 44'S	78° 39 92'W	Beginn
		21.3.92	12:34	10° 53 59'S	78° 02 01'W	Ende
Callao 2	PS	22.3.92	2:34	11° 17 89'S	78° 23 01'W	Beginn
		22.3.92	5:58	10° 56 12'S	77° 53 67'W	Ende
Callao 3	PS	22.3.92	7:19	11° 11 95'S	77° 53 14'W	Beginn
		22.3.92	10:35	11° 35 17'S	78° 17 36'W	Ende
P. 19	PS	23.3.92	6:50	9° 39 05'S	80° 50 32'W	Beginn
		23.3.92	10:20	9° 38 96'S	80° 30 18'W	Ende
P. 18	PS	23.3.92	11:00	9° 35 99'S	80° 26 26'W	Beginn
		23.3.92	13:59	9° 35 93'S	79° 54 06'W	Ende
DR 25/1	PS	23.3.92	15:00	9° 38 90'S	80° 06 02'W	Beginn
		23.3.92	15:33	9° 33 98'S	80° 09 25'W	Ende
DR 25/2	PS	24.3.92	5:21	9° 33 84'S	80° 09 07'W	Beginn
		24.3.92	8:05	9° 04 99'S	80° 25 49'W	Ende
DR 25/3	PS	24.3.92	8:32	9° 05 26'S	80° 29 81'W	Beginn
		24.3.92	11:33	9° 36 02'S	80° 12 16'W	Ende
P. 19/2	PS	26.3.92	3:51	9° 39 98'S	80° 22 02'W	Beginn
		26.3.92	6:00	9° 39 35'S	80° 45 17'W	Ende
P. 18/2	PS	26.3.92	6:28	9° 34 04'S	80° 42 95'W	Beginn
		26.3.92	7:56	9° 33 72'S	80° 26 76'W	Ende
P. 17	PS	26.3.92	8:27	9° 28 00'S	80° 26 67'W	Beginn
		26.3.92	10:14	9°28 01'S	80° 07 17'W	Ende
DR 25/4	HS	26.3.92	22:26	9° 33 96'S	80° 06 58'W	Beginn
		27.3.92	1:13	9° 03 56'S	80° 23 97'W	Ende
P. 16/2	PS	27.3.92	1:25	9° 02 01'S	80° 23 98'W	Beginn
		27.3.92	1:53	9° 01 99'S	80° 28 89'W	Ende
P. 16/3	PS	27.3.92	12:38	9° 05 83'S	80° 26 53'W	Beginn
		27.3.92	13:09	9° 00 43'S	80°26 41'W	Ende

P. 16/4	PS	27.3.92	13:41	9° 00 50'S	80° 31 88'W	Beginn
		27.3.92	14:10	9° 05 96'S	80° 31 94'W	Ende
SK 1	P'S	28.3.92	1:10	9° 37 51'S	79° 54 97'W	Beginn
		28.3.92	3:01	9° 18 70'S	79° 42 54'W	Ende
P. 16/6	HS	28.3.92	18:32	9° 02 80'S	80° 26 80'W	Beginn
		28.3.92	19:35	9° 01 03'S	80° 18 94'W	Ende
DR 25/7	HS	28.3.92	20:02	9° 00 00'S	80° 22 97'W	Beginn
		28.3.92	23:18	9° 35 00'S	80° 03 00'W	Ende
P. 20	HS	29.3.92	0:21	9° 46 00'S	80° 00 00'W	Beginn
		29.3.92	2:35	9° 46 00'S	80° 28 00'W	Ende
DR 25/10	HS	29.3.92	4:07	9° 27 80'S	80° 28 05'W	Beginn
		29.3.92	5:09	9° 15 10'S	80° 28 05'W	Ende
DR 25/9	HS	29.3.92	5:22	9° 16 18'S	80° 27 80'W	Beginn
		29.3.92	6:18	9° 25 15'S	80° 21 85'W	Ende
P. 17/18	HS	29.3.92	7:08	9° 32 09'S	80° 26 66'W	Beginn
		29.3.92	8:00	9° 32 11'S	80° 16 76'W	Ende
P. 21	HS	29.3.92	23:43	9° 52 02'S	80° 12 82'W	Beginn
		30.3.92	2:25	9° 51 97'S	79° 41 92'W	Ende
P. 22	HS	30.3.92	3:03	9° 57 01'S	79° 38 06'W	Beginn
		30.3.92	5:26	9° 57 03'S	80° 09 23'W	Ende
P. 23	HS	30.3.92	6:03	10° 02 01'S	80° 04 95'W	Beginn
		30.3.92	8:42	10° 01 98'S	79° 33 94'W	Ende
P. 24	HS	30.3.92	9:19	10° 07 01'S	79° 30 11'W	Beginn
		30.3.92	11:35	10° 07 03'S	80° 00 80'W	Ende
P. 25	PS	30.3.92	19:40	10° 18 26'S	80° 05 20'W	Beginn
		30.3.92	23:00	10° 04 81'S	80° 40 38'W	Ende
P. 26	HS	31.3.92	6:29	10° 06 77'S	80° 39 81'W	Beginn
		31.3.92	7:19	10° 00 00'S	80° 42 88'W	Ende
N.N.	PS	1.4.92	0:46	12° 48 46'S	81° 04 21'W	Beginn
		1.4.92	3:29	12° 21 24'S	81° 08 68'W	Ende
P. 27	PS	2.4.92	22:29	11° 27 72'S	78° 09 40'W	Beginn
		3.4.92	0:35	11° 05 72'S	77° 59 92'W	Ende
P. 28	PS	3.4.92	2:48	11° 05 63'S	77° 59 98'W	Beginn
		3.4.92	5:01	11° 03 85'S	78° 16 02'W	Ende
P. 29	PS	3.4.92	5:56	11° 03 75'S	78° 25 50'W	Beginn
		3.4.92	8:54	10° 55 63'S	78° 06 92'W	Ende
P. 30	PS	3.4.92	8:49	10° 55 81'S	78° 05 95'W	Beginn
		3.4.92	9:58	11° 06 91'S	77° 57 12'W	Ende
P. 31	PS	3.4.92	10:01	11° 07 32'S	77° 57 43'W	Beginn
		3.4.92	12:02	11° 21 78'S	78° 16 77'W	Ende
P.32	PS	3.4.92	12:05	11° 22 20'S	78° 16 76'W	Beginn
		3.4.92	12:52	12° 27 85'S	78° 09 68'W	Ende
P. 33/1	PS	4.4.92	20:14	6° 45 84'S	81° 34 12'W	Beginn
		4.4.92	21:48	6° 43 98'S	81° 14 94'W	Ende
P. 33/2	PS	5.4.92	1:30	6° 44 02'S	81° 16 00'W	Beginn
		5.4.92	2:00	6° 43 07'S	81° 10 05'W	Ende
P. 34/1	PS	5.4.92	2:19	6° 45 77'S	81° 10 06'W	Beginn
		5.4.92	3:30	6° 49 49'S	81° 23 20'W	Ende
P. 34/2	HS	5.4.92	8:19	6° 49 60'S	81° 23 33'W	Beginn
		5.4.92	9:11	6° 49 89'S	81° 40 00'W	Ende
P. 10/3	HS	8.4.92	3:09	5° 48 97'S	81° 42 00'W	Beginn
		8.4.92	4:42	5° 49 00'S	81° 42 50'W	Ende
P. 11	HS	8.4.92	5:03	5° 53 01'S	81° 25 09'W	Beginn
		8.4.92	8:01	5° 53 02'S	81° 59 15'W	Ende
P. 12/1	HS	10.4.92	4:46	5° 56 96'S	81° 25 06'W	Beginn
		10.4.92	7:24	5° 56 98'S	81° 59 04'W	Ende
P. 12/2	HS	10.4.92	7:47	6° 01 00'S	81° 58 80'W	Beginn
		10.4.92	9:24	6° 00 93'S	81° 39 89'W	Ende
P. 13	HS	12.4.92	1:44	5° 23 01'S	81° 58 98'W	Beginn
		12.4.92	4:36	5° 22 98'S	81° 25 00'W	Ende
P.14	HS	12.4.92	5:09	5° 19 00'S	81° 30 12'W	Beginn
		12.4.92	6:56	5° 19 02'S	81° 92 94'W	Ende
P.15	HS	12.4.92	7:16	5° 14 99'S	81° 52 86'W	Beginn
		12.4.92	8:44	5° 14 99'S	81° 34 97'W	Ende

Verzeichnis aller HYDROSWEEP-Karten

Verzeichnis aller Hydrosweepkarten

Anfahrt Discol Profil 1	1:100 000	f	20m Iso
Anfahrt Discol Profil 2	1:100 000	f	20m Iso
Profil 1 plus Zeitenmarken	1:100 000	f	20m Iso
Profil 1 plus Zeitenmarken	1:100 000	sw	20m Iso
Profil 2 plus Zeitmarken	1:100 000	f	20m Iso
Profil 2 plus Zeitmarken	1:100 000	sw	20m Iso
Querprofil 1	1:100 000	sw	20m Iso überhöht
Querprofil 2	1:100 000	sw	20m Iso überhöht
Profil 1 mit Tiefenmarken	1:100 000	sw	20m Iso
Profil 2 mit Tiefenmarken	1:100 000	sw	20m Iso
Profil 3	1:50 000	f	20m Iso
Profile 3,4,5	1:100 000	f	20m Iso
Profile 3,4,5	1:100 000	sw	20m Iso
Profil 1	1:100 000	sw	20m Iso
Profil 2	1:100 000	sw	20m Iso
Profil 3-5	1:100 000	sw	20m Iso
Profil 3-5 Ausschnitt	1:20 000	sw	20m Iso + Station
Discol-Gebiet So77 + So78	1:100 000	f	20m Iso
Discol-Gebiet So77 + So78	1:100 000	sw	20m Iso
Discol-Gebiet So77 + So78	1:100 000	sw	20m Iso + Station
Ausschnit Discol quadratisch	1:50 000	sw	20m Iso
Ausschnit Discol A3	1:50 000	sw	20m Iso
Ausschnit Discol A3, Verschiebung	1:50 000	sw	20m Iso
Paita 1 Profil vom 15. 3.	1:50 000	sw	20m Iso
Parasound Profil 6,7,8 + Zeitmarken	1:50 000	sw	20m Iso
Ofos 156 a-c Paita 1	1:50 000	sw	20m Iso
Ofos 157 Paita 1	1:50 000	sw	20m Iso
Profile 9 +10b (korrigiert)	1:50 000	sw	20m Iso
Profile 6,7,8	1:50 000	sw	20m Iso
Profile 9 + 10b	1:50 000	f	20m Iso
Profile 6,7,8	1:50 000	f	20m Iso
Ofos 163	1:50 000	sw	20m Iso
Profile vom 23. - 26. 3	1:100 000	sw	20m Iso
Profile vom 23. - 27. 3.	1:125 000	sw	20m Iso
Profile vom 23. - 27. 3.	1:125 000	f	20m Iso
Chimbote	1:125 000	sw	20m Iso
Chimbote Suedanschluß	1:125 000	sw	20m Iso
Profil Callao 2 + 3 mit PS-Track	1:100 000	sw	20m Iso
Callao Profile	1:100 000	sw	20m Iso 500 dick
Callao Profile mit Parasound Track	1:100 000	sw	20m Iso
Paita Nord Profil 6-8	1:50 000	sw	20m Iso 500 dick
Chimbote	1:50 000	sw	20m Iso 500 dick
Chimbote	1:25 000	sw	20m Iso 500 dick
Chimbote	1:10 000	sw	20m Iso 500 dick
Chimbote	1:20 000	sw	20m Iso 500 dick
Calllao Querprofile1-8	1:100 000	sw	Querprofile

Profil 38, 39	1:25 000	sw	20m Iso 500 dick
Chimbote	1:125 000	f	20m Iso
Chimbote Südanschluß	1:125 000	f	20m Iso
Paita Nord	1:50 000	f	20m Iso
Callao	1:100 000	f	20m Iso
Paita 1	1:50 000	f	20m Iso
Chimbote	1:50 000	sw	20m Iso 500 dick
Chimbote	1:20 000	sw	20m Iso 500 dick
Chimbote	1:25 000	sw	20m Iso 500 dick
Chimbote	1:50 000	sw	20m Iso 500 dick
Chiclayo	1:100 000	sw	20m Iso 500 dick
Chiclayo	1:100 000	f	20m Iso
Paita Süd	1:100 000	sw	20m Iso 500 dick
Paita Süd	1:100 000	f	20m Iso
Paita 2	1:25 000	sw	20m Iso 500 dick
Paita nördlichster Teil	1:125 000	sw	20m Iso 500 dick
Paita nördlichster Teil	1:125 000	f	20m Iso
Gesamt SO 78	1:1 000 000	sw	Stationen
Gesamt SO 78	1:1 000 000	sw	Stationen + Rahmen
Paita	1:100 000	sw	Symbole
Callao	1:100 000	sw	Symbole
Chimbote	1:100 000	sw	Symbole
Chiclayo	1:100 000	sw	Symbole
Paita 2 OFOS und VESP Survey	1:10 000	sw	20m Iso -30, -40
Paita 2 OFOS und VESP Survey	1:10 000	sw	20m Iso 500 dick
Chimbote Detail Stationen	1:100 000	sw	20m Iso 500 dick

OFOS-Protokolle

STATION: OFOS 152-16

Datum: 9-MAR-1992 12:14:47
Position 7° 3.23' S 88° 27.49' W
Tiefe 4154 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
12:48:28	A 3.40'S	4153	
236	27.36'W	1298	
13:01:41	A 3.50'S	4165	
183	27.34'W	1894	
13:25:58	A 3.72'S	4167	
	27.30'W	3006	
13:43:53	A 3.90'S	4169	
	27.29'W	3840	
13:48:20	A 3.94'S	4168	
	27.28'W	3907	
13:50:22	A 3.95'S	4172	TON
	27.28'W	3986	
13:59:45	A 4.04'S	4169	BOT1
	27.26'W	4220	
14:01:30	A 4.06'S	4171	
	27.25'W	4219	
14:03:15	A 4.08'S	4175	
	27.24'W	4220	
14:04:07	A 4.09'S	4173	
	27.24'W	4221	
14:05:36	A 4.11'S	4175	
	27.24'W	4219	
14:06:37	A 4.12'S	4177	TRACE PHOTO: 13
	27.23'W	4219	
14:06:44	A 4.12'S	4175	TRACE END
	27.23'W	4218	
14:07:34	A 4.74'S	4173	
	27.28'W	4218	
14:08:47	A 4.14'S	4175	KNOLLEN 20
	27.23'W	4217	
14:09:03	A 4.14'S	4178	HOLOTHURIAN
	27.23'W	4216	
14:09:56	A 4.16'S	4174	HOLOTHURIAN
	27.22'W	4215	
14:10:45	A 4.16'S	4174	TRACE PHOTO: 24 DIR: 100
	27.22'W	4214	
14:10:55	A 4.16'S	4175	TRACE PHOTO: 25
	27.22'W	4215	
14:11:06	A 4.17'S	4177	TRACE END PHOTO: 26 DIR: 90
	27.22'W	4214	
14:11:59	A 4.18'S	4172	TRACE PHOTO: 28
	27.22'W	4212	
14:12:11	A 4.18'S	4174	TRACE END
	27.22'W	4212	
14:12:43	A 4.19'S	4175	
	27.22'W	4211	
14:13:58	A 4.20'S	4178	KNOLLEN 15
	27.21'W	4208	
14:14:20	A 4.20'S	4180	TRACE PHOTO: 36 DIR: 90
	27.21'W	4207	
14:14:33	A 4.20'S	4179	TRACE PHOTO: 37 DIR: 90
	27.21'W	4207	
14:14:44	A 4.20'S	4173	TRACE END PHOTO: 38 DIR: 90
	27.21'W	4207	
14:17:34	A 4.23'S	4176	
	27.21'W	4208	
14:18:03	A 4.24'S	4176	TRACE WEAK
	27.21'W	4210	
14:18:17	PHOTO:	47	DIR: 120
14:18:37	A 4.25'S	4174	TRACE END

STATION: OFOS 152-16 (cont.1)

	27.21'W	4208							
14:19:15	A 4.26'S	4179							
	27.21'W	4211							
14:21:01	A 4.27'S	4174	TRACE	PHOTO:	55	DIR:	90		
	27.21'W	4211							
14:21:15	A 4.13'S	4173	TRACE	STRONG					
	27.30'W	4212							
14:21:19	A 4.13'S	4174	TRACE	END					
	27.30'W	4211							
14:22:17	A 4.28'S	4176	TRACE	PHOTO:	59	DIR:	95		
	27.21'W	4212							
14:22:20	PHOTO:	60	DIR:	91					
14:23:13	A 4.30'S	4179	TRACE						
	27.21'W	4212							
14:23:21	A 4.30'S	4175	TRACE	END					
	27.21'W	4212							
14:24:37	A 4.31'S	4180	CRAB						
	27.21'W	4212							
14:25:27	A 4.32'S	4174	TRACE						
	27.21'W	4213							
14:25:37	PHOTO:	69	DIR:	95					
14:25:50	PHOTO:	70	DIR:	90					
14:25:55	TRACE	END							
14:26:16	A 4.33'S	4174							
	27.21'W	4211							
14:27:32	A 4.34'S	4177	TRACE	WEAK					
	27.21'W	4211							
14:27:58	A 4.35'S	4175	HOLUNTHURIA						
	27.21'W	4212							
14:28:43	A 4.36'S	4174	TRACE	PHOTO:	76				
	27.21'W	4211							
14:29:10	A 4.36'S	4175	TRACE	END	PHOTO:	77	DIR:	110	
	27.21'W	4211							
14:29:48	A 4.38'S	4174							
	27.61'W	4212							
14:30:21	A 4.37'S	4178	NODULES	20					
	27.22'W	4212							
14:32:06	A 4.39'S	4179	HOLUNTHURIA						
	27.22'W	4215							
14:33:24	A 4.41'S	4175	TRACE	WEAK	PHOTO:	86			
	27.22'W	4220							
14:34:49	A 4.42'S	4178							
	27.23'W	4226							
14:36:18	A 4.44'S	4175							
	27.23'W	4233							
14:36:58	A 4.44'S	4182	NODULES	5					
	27.23'W	4237							
14:37:19	A 4.44'S	4176	WEAK	TRACE	PHOTO:	95			
	27.23'W	4238							
14:37:24	A 4.44'S	4176	TRACE	PHOTO:	96	DIR:	110		
	27.23'W	4239	PHOTO:	97	DIR:	105			
14:37:50	A 4.44'S	4179	TRACE	END					
	27.23'W	4241							
14:38:30	A 4.44'S	4183	NODULES	10					
	27.23'W	4245							
14:38:35	A 4.44'S	4183	NODULES	20					
	27.23'W	4245							
14:39:16	A 4.44'S	4184							
	27.23'W	4246							
14:40:39	A 4.44'S	4176	TRACE	WEAK	PHOTO:	104	DIR:	100	
	27.23'W	4251							
14:41:09	A 4.44'S	4180	TRACE	WEAK					
	27.23'W	4251							
14:41:25	A 4.44'S	4179	TRACE	END					
	27.23'W	4252							
14:41:45	A 4.44'S	4181	TRACE	WEAK					
	27.23'W	4251							
14:42:32	A 4.44'S	4176	TRACE	END					
	27.23'W	4252							
14:42:56	A 4.44'S	4175	TRACE	PHOTO:	109	DIR:	90		
	27.23'W	4253							

STATION: OFOS 152-16 (cont. 2)

14:43:09	A 4.44'S	4177	TRACE	PHOTO:	110	DIR:	60	
	27.23'W	4252						
14:43:33	A 4.44'S	4176	TRACE	END				
	27.23'W	4253						
14:44:29	A 4.44'S	4178	NODULES	10				
	27.23'W	4252						
14:44:50	A 4.44'S	4175	TRACE	PHOTO:	114	DIR:	110	
	27.23'W	4252						
14:45:42	A 4.44'S	4178						
	27.23'W	4252						
14:46:12	A 4.44'S	4175	NODULES	20				
	27.23'W	4251						
14:46:39	A 4.44'S	4178						
	27.23'W	4252						
14:47:26	A 4.44'S	4176	NODULES	10				
	27.23'W	4251						
14:47:38	A 4.44'S	4177	TRACE	WEAK				
	27.23'W	4251						
14:47:51	A 4.44'S	4184						
	27.23'W	4251						
14:48:34	A 4.44'S	4176	TRACE	WEAK	PHOTO:	122		
	27.23'W	4250						
14:49:36	A 4.44'S	4180	TRACE	WEAK	PHOTO:	125		
	27.23'W	4249						
14:50:23	A 4.44'S	4177	TRACE	WEAK				
	27.23'W	4249						
14:51:11	A 4.44'S	4179	KREBS					
	27.23'W	4250						
14:53:12	A 4.44'S	4174						
	27.23'W	4249						
14:53:54	A 4.84'S	4180						
	27.43'W	4247						
14:55:12	A 4.63'S	4177	NODULES	5%				
	27.30'W	4246						
14:56:07	A 4.63'S	4176	KREBS					
	27.30'W	4247						
14:56:18	A 4.63'S	4176	TRACE	PHOTO:	138	DIR:	105	
	27.30'W	4248						
14:57:05	A 4.63'S	4175						
	27.30'W	4248						
14:58:43	A 4.63'S	4176	SEEGURKE					
	27.30'W	4250						
14:59:13	A 4.63'S	4179	FISH					
	27.30'W	4252						
14:59:55	A 4.41'S	4175	TRACE	WEAK	PHOTO:	149	DIR:	80
	26.89'W	4254						
15:00:26	TRACE	STRONG						
15:00:35	PHOTO:	152	DIR:	155				
15:01:11	A 4.83'S	4171						
	27.69'W	4258						
15:01:26	A 4.93'S	4174	TRACE	WEAK				
	27.43'W	4262						
15:01:56	PHOTO:	157	DIR:	160				
15:02:03	A 4.52'S	4177	TRACE	PHOTO:	158	DIR:	165	
	27.87'W	4270						
15:02:37	A 4.29'S	4174						
	26.99'W	4273						
15:03:14	A 4.70'S	4172	TRACE	WEAK	PHOTO:	159	DIR:	65
	27.36'W	4277						
15:03:55	A 4.84'S	4168	TRACE					
	27.71'W	4284						
15:04:03	A 4.84'S	4171	TRACE	PHOTO:	163	DIR:	75	
	27.71'W	4284						
15:04:28	A 4.84'S	4166	TRACE	PHOTO:	165	DIR:	135	
	27.71'W	4286						
15:04:34	A 4.38'S	4170	LANGGESTRECKTES	TIER				
	26.74'W	4289						
15:05:47	A 5.20'S	4170	TRACE	PHOTO:	169	DIR:	80	
	28.36'W	4296						
15:05:56	TRACE	PHOTO:	170	DIR:	80			

STATION: OFOS 152-16 (cont. 3)

15:06:32	A 4.59'S	4168					
	26.59'W	4297					
15:07:26	A 4.59'S	4166	NODULES	5%			
	26.26'W	4299					
15:07:50	A 4.59'S	4164	NODULES	20			
	26.26'W	4301					
15:08:00	A 4.74'S	4165	NODULES	20			
	27.40'W	4301					
15:08:22	A 4.74'S	4165	TRACE	PHOTO:	176	DIR:	90
	27.40'W	4302					
15:08:38	PHOTO:	178	DIR:	90			
15:08:48	PHOTO:	179	DIR:	70			
15:09:13	A 4.39'S	4162	TRACE	END			
	27.27'W	4302					
15:09:38	A 4.39'S	4166					
	27.27'W	4302					
15:10:34	A 4.76'S	4165	NODULES	10			
	27.42'W	4302					
15:10:50	A 4.76'S	4165	NODULES	30			
	27.42'W	4303					
15:11:02	A 4.76'S	4163	NODULES	20			
	27.42'W	4303					
15:11:07	A 4.76'S	4164	CRUSTACEa				
	27.42'W	4303					
15:11:39	A 4.93'S	4162	TRACE	PHOTO:	186	DIR:	165
	27.80'W	4302					
15:11:46	A 4.93'S	4162	PHOTO:	187	DIR:	165	
	27.80'W	4302					
15:12:11	A 4.33'S	4163	TRACE	END			
	26.65'W	4301					
15:12:31	A 4.33'S	4161	TRACE	WEAK			
	26.65'W	4301					
15:12:48	PHOTO:	191	DIR:	175			
15:13:01	TRACE	STRONG	PHOTO:	192	DIR:	145	
15:13:23	A 4.65'S	4164	TRACE	END			
	26.99'W	4304					
15:14:15	A 5.15'S	4163	TRACE	END			
	28.68'W	4309					
15:14:35	A 4.78'S	4164	NODULES	30			
	27.45'W	4310					
15:14:51	A 4.78'S	4162	HOLOTHURIE				
	27.45'W	4309					
15:15:50	A 4.42'S	4162	NODULES	20			
	27.63'W	4304					
15:16:36	A 4.42'S	4162	TRACE	STRONG	PHOTO:	203	
	27.63'W	4300					
15:16:53	PHOTO:	204	DIR:	160			
15:17:01	A 4.42'S	4162	TRACE				
	27.63'W	4295					
15:17:11	A 4.42'S	4161	TRACE	END			
	27.63'W	4294					
15:17:51	A 4.42'S	4164	NODULES	20			
	27.63'W	4290					
15:18:08	A 4.42'S	4164	NODULES	20			
	27.63'W	4286					
15:18:50	A 4.42'S	4163	NODULES	20			
	27.63'W	4279					
15:19:32	A 4.42'S	4164	NODULES	15			
	27.63'W	4272					
15:20:30	A 4.42'S	4162	NODULES	10			
	27.63'W	4261					
15:20:36	A 4.42'S	4167	FISH				
	27.63'W	4260					
15:20:47	A 4.42'S	4168	40	NODULES			
	27.63'W	4259					
15:21:03	A 4.42'S	4161	50	NODULES			
	27.63'W	4258					
15:21:28	A 4.42'S	4164	FISH				
	27.63'W	4255					
15:21:38	A 4.42'S	4163	20	NODULES			
	27.63'W	4253					

STATION: OFOS 152-16 (cont. 4)

15:22:11	A 4.42'S	4161	20	NODULES				
	27.63'W	4250						
15:22:30	A 4.42'S	4165	20	NODULES				
	27.63'W	4248						
15:22:48	A 4.42'S	4161	20	NODULES				
	27.63'W	4247						
15:23:08	A 4.42'S	4163	30	NODULES				
	27.63'W	4245						
15:23:38	A 4.42'S	4163	30	NODULES				
	27.63'W	4242						
15:24:03	A 4.42'S	4165	30	NODULES				
	27.63'W	4241						
15:24:13	A 4.42'S	4166	30	NODULES				
	27.63'W	4240						
15:24:39	A 4.42'S	4164	30	NODULES				
	27.63'W	4238						
15:25:13	A 4.42'S	4160	TRACE	PHOTO:	215	DIR:	180	
	27.63'W	4236						
15:25:28	A 4.42'S	4162	TRACE	END				
	27.63'W	4236						
15:25:43	A 4.42'S	4161	20	NODULES				
	27.63'W	4236						
15:26:02	A 4.42'S	4162	30	NODULES				
	27.63'W	4234						
15:26:41	A 4.42'S	4163	30	NODULES				
	27.63'W	4233						
15:27:31	A 4.42'S	4160	20	NODULES				
	27.63'W	4230						
15:28:07	A 4.42'S	4160	20	NODULES				
	27.63'W	4228						
15:29:06	A 4.42'S	4162	30	NODULES				
	27.63'W	4226						
15:29:21	A 4.42'S	4163	TRACE	WEAK				
	27.63'W	4226						
15:29:37	A 4.42'S	4160	TRACE	END				
	27.63'W	4223						
15:30:06	A 4.42'S	4159	TRACE	WEAK	PHOTO:	225	DIR:	70
	27.63'W	4222						
15:30:16	A 4.42'S	4159						
	27.63'W	4222						
15:30:30	A 4.42'S	4159	20	NODULES				
	27.63'W	4221						
15:31:03	A 4.42'S	4160	30	NODULES				
	27.63'W	4221						
15:32:01	A 4.42'S	4160	TRACE					
	27.63'W	4217						
15:32:19	A 4.42'S	4160	TRACE	END				
	27.63'W	4216						
15:32:43	A 4.42'S	4160	30	NODULES				
	27.63'W	4214						
15:33:20	A 4.42'S	4163	30	NODULE				
	27.63'W	4213						
15:34:58	A 4.42'S	4159						
	27.63'W	4210						
15:35:23	A 4.42'S	4164	10	NODULES				
	27.63'W	4208						
15:36:03	A 4.71'S	4163	15	NODULES				
	27.97'W	4208						
15:36:37	A 4.38'S	4158	BENTHIC	ORG	ANISM			
	27.65'W	4208						
15:37:38	A 4.77'S	4157						
	27.71'W	4204						
15:38:05	A 4.77'S	4157						
	27.71'W	4204						
15:38:10	A 4.77'S	4158	BENTHIC	ORGANISM				
	27.71'W	4205						
15:38:34	A 4.85'S	4161	10	NODULES				
	27.58'W	4205						
15:38:51	A 4.85'S	4167	BENTHIC	ORGANISM				
	27.58'W	4204						
15:39:20	A 4.85'S	4158	FISH					

STATION: OFOS 152-16 (cont. 5)

15:39:55	A 4.77'S	4153	15	NODULES			
	27.74'W	4203					
15:40:49	A 4.77'S	4157	TRACE	PHOTO:	250	DIR:	60
	27.74'W	4202					
15:40:52	A 4.77'S	4159	TRACE	END			
	27.74'W	4202					
15:41:29	A 4.15'S	4160	FISH	PHOTO:	252		
	27.45'W	4201					
15:41:35	A 4.15'S	4160	CRAB				
	27.45'W	4202					
15:42:20	A 4.78'S	4162	FISH				
	27.94'W	4200					
15:42:31	A 4.78'S	4159	20	NODULES			
	27.94'W	4199					
15:43:41	A 4.75'S	4159	BENTHIC	ORGANISM			
	27.78'W	4197					
15:44:05	A 4.75'S	4155	TRACE	PHOTO:	257	DIR:	75
	27.78'W	4197					
15:44:45	A 4.61'S	4156	TRACE	END			
	28.05'W	4197					
15:44:57	A 4.61'S	4156	HOLOTHURIAN				
	28.05'W	4195					
15:45:10	A 4.38'S	4157					
	27.61'W	4196					
15:45:46	A 4.89'S	4158	10	NODULES			
	28.05'W	4199					
15:46:26	A 4.40'S	4158	3	SMALL	BENTHIC	ORGANISMS	
	27.55'W	4200					
15:46:40	A 4.40'S	4159	10	NODULES			
	27.55'W	4201					
15:46:59	A 4.58'S	4159	CRAB	SWIMMING			
	28.01'W	4203					
15:47:51	A 4.67'S	4157	HOLOTHURIAN				
	27.93'W	4206					
15:48:51	A 4.72'S	4158	20	NODULES			
	27.82'W	4211					
15:49:59	A 4.72'S	4156					
	27.83'W	4215					
15:50:25	A 4.71'S	4157	FEW	NODULES			
	27.84'W	4217					
15:50:47	A 4.71'S	4157	TRACE	PHOTO:	267	DIR:	75
	27.84'W	4218					
15:50:57	A 4.71'S	4160	TRACE	END			
	27.84'W	4219					
15:51:42	A 4.95'S	4157	NODULES				
	27.18'W	4221					
15:52:47	A 4.71'S	4159	FISH				
	28.05'W	4219					
15:53:37	A 4.69'S	4159					
	27.86'W	4217					
15:53:50	A 4.69'S	4157	OPHUURIANB				
	27.86'W	4218					
15:54:59	A 4.68'S	4161	CRAB				
	27.87'W	4216					
15:57:48	A 4.28'S	4157	CRAB				
	27.62'W	4215					
15:58:11	A 4.28'S	4159					
	27.62'W	4215					
15:58:22	A 4.43'S	4160	OPHI				
	28.08'W	4215					
15:59:43	A 4.64'S	4158	TRACE	WEAK			
	27.90'W	4212					
16:01:45	A 4.63'S	4161	BENTHICORG				
	27.91'W	4213					
16:03:31	A 4.62'S	4160					
	27.92'W	4216					
16:04:06	A 4.64'S	4157					
	28.04'W	4217					
16:04:33	A 4.61'S	4158	UBO				
	27.92'W	4219					

STATION: OFOS 152-16 (cont. 6)

16:05:05	A 4.38'S	4156					
	28.14'W	4220					
16:05:39	A 4.60'S	4158	BENTHIC	ORGANISM			
	27.93'W	4223					
16:05:52	A 4.60'S	4159	TRACE	PHOTO:	291	DIR:	170
	27.93'W	4223					
16:06:01	A 4.60'S	4160	TRACE	END			
	27.93'W	4223					
16:06:03	A 4.60'S	4160	CRAB				
	27.93'W	4223					
16:06:23	A 4.59'S	4155	TRACE				
	27.93'W	4222					
16:06:35	PHOTO:	294	DIR:	175			
16:07:23	A 4.84'S	4157					
	28.37'W	4224					
16:07:29	A 4.84'S	4157	TRACE	END			
	28.37'W	4225					
16:08:59	A 4.57'S	4156					
	27.94'W	4226					
16:09:38	A 4.57'S	4158					
	27.94'W	4226					
16:10:11	A 4.44'S	4158					
	27.66'W	4227					
16:10:25	A 4.56'S	4157	TRACE	PHOTO:	301	DIR:	80
	27.95'W	4224	TRACE	END	PHOTO:	303	
16:11:00	A 4.37'S	4157					
	27.61'W	4228					
16:11:30	A 4.37'S	4157					
	27.61'W	4229					
16:12:10	A 4.38'S	4159	BENTHIC	ORG.			
	28.13'W	4233					
16:12:13	A 4.38'S	4159	TRACE	WEAK			
	28.13'W	4233					
16:12:41	A 5.21'S	4157					
	27.41'W	4234					
16:13:30	A 4.28'S	4157					
	28.28'W	4237					
16:14:00	A 4.52'S	4159					
	27.97'W	4239					
16:14:30	A 5.09'S	4164					
	27.32'W	4241					
16:15:01	A 4.74'S	4157					
	27.71'W	4242					
16:15:37	A 4.74'S	4159	SWIMMING	OBJECT			
	27.71'W	4245					
16:15:46	A 4.50'S	4157	TRACE				
	27.97'W	4246					
16:15:54	TRACE	STRONG	PHOTO:	312	DIR:	90	
16:16:35	A 4.57'S	4160	TRACE	END			
	27.22'W	4248					
16:17:31	A 4.49'S	4158					
	27.97'W	4251					
16:18:07	A 5.06'S	4158	BENTHIC	O.			
	27.20'W	4251					
16:18:30	A 4.56'S	4159					
	27.64'W	4252					
16:19:11	A 4.47'S	4156	TRACE				
	27.98'W	4251					
16:19:27	A 4.47'S	4159					
	27.98'W	4251					
16:19:33	A 4.47'S	4158	TRACE	END			
	27.98'W	4252					
16:20:07	A 4.73'S	4158	TRACE				
	27.29'W	4252					
16:20:30	A 4.46'S	4159	TRACE	END			
	27.98'W	4253					
16:20:54	A 4.46'S	4158	TRACE	PHOTO:	320	DIR:	90
	27.98'W	4252	PHOTO:	321	DIR:	90	
16:21:26	A 4.47'S	4159	TRACE	END			
	28.07'W	4254					

STATION: OFOS 152-16 (cont. 7)

16:21:46	A 4.37'S	4157	TRACE	PHOTO:	325	DIR:	80
	27.57'W	4253					
16:22:05	A 4.37'S	4159	TRACE	STRONG			
	27.57'W	4253					
16:22:23	A 4.45'S	4158	TRACE	END			
	27.65'W	4252					
16:22:38	A 4.45'S	4161					
	27.65'W	4253					
16:22:59	A 4.43'S	4166	TRACE	WEAK			
	27.98'W	4255					
16:23:30	A 4.43'S	4161					
	27.98'W	4256					
16:24:58	A 4.02'S	4158					
	28.08'W	4256					
16:25:16	A 4.02'S	4158	BENTHIC	O.			
	28.08'W	4257					
16:25:46	A 4.40'S	4164	TRACE	PHOTO:	331	DIR:	80
	27.98'W	4259					
16:25:51	A 4.40'S	4164					
	27.98'W	4259					
16:26:07	A 4.40'S	4160	TRACE	END			
	27.98'W	4258					
16:26:37	A 4.91'S	4162					
	27.26'W	4258					
16:26:56	A 4.91'S	4161					
	27.26'W	4257					
16:27:31	A 4.41'S	4163					
	27.64'W	4260					
16:28:04	A 4.37'S	4162					
	27.97'W	4260					
16:28:23	A 4.17'S	4163	TRACE				
	28.13'W	4266					
16:28:26	A 4.17'S	4164	TRACE	END			
	28.13'W	4267					
16:28:54	A 4.17'S	4163					
	28.13'W	4268					
16:29:15	A 4.38'S	4162	TRACE	PHOTO:	343	DIR:	175
	27.61'W	4270					
16:29:36	A 4.38'S	4163	STRONG				
	27.61'W	4270					
16:29:59	A 4.54'S	4162	TRACE	END			
	27.52'W	4271					
16:30:43	A 4.03'S	4160					
	28.03'W	4270					
16:31:03	A 4.04'S	4163					
	28.03'W	4271					
16:31:30	A 4.04'S	4169					
	28.03'W	4275					
16:32:26	A 4.33'S	4165	TRACE	PHOTO:	348	DIR:	90
	27.97'W	4278					
16:32:59	A 4.43'S	4163	TRACE	END			
	27.66'W	4280					
16:33:30	A 4.43'S	4165	TRACE	WEAK			
	27.66'W	4282					
16:34:00	A 4.91'S	4165					
	26.80'W	4281					
16:34:31	A 4.19'S	4163	seestern				
	26.95'W	4278					
16:35:28	A 4.34'S	4166	TRACE	PHOTO:	355		
	27.66'W	4275					
16:35:37	A 4.34'S	4165	PHOTO:	356	DIR:	80	
	27.66'W	4272					
16:36:01	A 3.98'S	4163	TRACE	END			
	27.99'W	4272					
16:36:21	A 4.40'S	4163					
	27.58'W	4271					
16:36:31	A 4.40'S	4164	TRACE	PHOTO:	358		
	27.58'W	4271					
16:36:58	A 4.27'S	4164					
	27.95'W	4270					

STATION: OFOS 152-16 (cont. 8)

16:37:30	A 4.27'S	4162	TRACE					
	27.95'W	4270						
16:37:43	A 4.18'S	4163	TRACE	END	PHOTO:	361		
	27.98'W	4270						
16:37:53	A 4.18'S	4164						
	27.98'W	4270						
16:38:34	A 4.54'S	4161	10	knollen				
	26.96'W	4268						
16:38:51	A 4.54'S	4163	TRACE	PHOTO:	364	DIR:	105	
	26.96'W	4267						
16:39:00	A 4.25'S	4161	TRACE	END				
	27.95'W	4266						
16:39:32	A 4.25'S	4165						
	27.95'W	4265						
16:39:49	A 3.96'S	4169	TRACE	PHOTO:	366	DIR:	105	
	27.96'W	4265						
16:39:54	A 3.96'S	4169	TRACE	END				
	27.96'W	4265						
16:40:00	A 3.96'S	4170	TRACE	PHOTO:	368	DIR:	80	
	27.96'W	4264						
16:40:10	A 4.32'S	4167	TRACE	END				
	26.67'W	4263						
16:40:48	A 4.32'S	4167	TRACE	WEAK				
	26.67'W	4261						
16:41:00	A 4.03'S	4163						
	28.01'W	4261						
16:41:59	A 4.22'S	4161						
	27.93'W	4267						
16:42:31	A 3.87'S	4163						
	26.80'W	4267						
16:42:59	A 3.80'S	4165						
	27.85'W	4265						
16:43:31	A 3.80'S	4163	15	knollen				
	27.85'W	4261						
16:44:00	A 4.20'S	4162						
	27.93'W	4260						
16:44:41	A 4.42'S	4160	TRACE					
	26.57'W	4254						
16:45:11	A 4.25'S	4167	TRACE	END				
	27.59'W	4254						
16:45:29	A 4.25'S	4167						
	27.59'W	4255						
16:46:28	A 4.10'S	4164	benthic	organism				
	27.07'W	4254						
16:47:22	A 4.16'S	4167	benthic	organism				
	27.91'W	4255						
16:47:59	A 4.15'S	4161						
	27.90'W	4255						
16:48:19	A 4.14'S	4163	TRACE	WEAK	PHOTO:	399	DIR:	45
	27.90'W	4251						
16:48:48	A 4.14'S	4163						
	27.90'W	4249						
16:49:12	A 4.11'S	4163						
	27.90'W	4250						
16:49:33	A 4.11'S	4162	TRACE	WEAK				
	27.90'W	4248						
16:50:13	A 4.13'S	4166						
	27.89'W	4249						
16:50:29	A 4.33'S	4169	TRACE					
	27.26'W	4249						
16:50:38	A 4.33'S	4164	benthic	organism				
	27.26'W	4248						
16:51:28	A 4.12'S	4165						
	27.87'W	4248						
16:51:57	A 4.02'S	4167	TRACE	STRONG	PHOTO:	408	DIR:	80
	28.03'W	4247						
16:52:10	TRACE	END						
16:52:46	A 3.46'S	4165						
	28.31'W	4245						
16:53:33	A 4.57'S	4165	holothurian					
	27.41'W	4243						

STATION: OFOS 152-16 (cont. 9)

16:53:42	TRACE	WEAK	PHOTO:	414	DIR:	105
16:53:48	TRACE	WEAK	PHOTO:	415	DIR:	110
16:54:32	A 4.04'S	4170	TRACE	WEAK		
	27.76'W	4240				
16:54:38	A 4.04'S	4167	sea	star		
	27.76'W	4239				
16:55:15	A 4.49'S	4165				
	27.05'W	4237				
16:55:44	A 4.09'S	4164				
	27.81'W	4238				
16:56:40	A 4.36'S	4164	benthic	organism		
	26.89'W	4238				
16:57:17	A 4.06'S	4167	nodules	20		
	27.84'W	4237				
16:57:41	A 4.05'S	4166	benthic	organisms		
	27.83'W	4237				
16:57:55	TRACE	WEAK	PHOTO:	424	DIR:	80
16:58:28	A 4.06'S	4164	TRACE	WEAK		
	27.76'W	4236				
17:00:05	A 4.04'S	4167	holothurian			
	27.81'W	4237				
17:00:34	A 4.18'S	4171	nodules	20		
	27.69'W	4238				
17:01:49	A 4.02'S	4175	crustacean	swimming		
	27.79'W	4238				
17:01:57	TRACE	WEAK				
17:02:19	A 4.02'S	4169				
	27.78'W	4238				
17:02:43	A 4.02'S	4166				
	27.78'W	4239				
17:03:15	A 4.01'S	4167	benthic	organisms		
	27.78'W	4237				
17:03:57	A 4.01'S	4168	benthic	organisms		
	27.77'W	4237				
17:05:02	A 4.00'S	4167	nudules	20		
	27.76'W	4240				
17:06:00	A 3.99'S	4168				
	27.75'W	4243				
17:06:43	A 3.99'S	4165	swimming	object		
	27.75'W	4243				
17:07:48	A 3.98'S	4172	nodules	10		
	27.73'W	4245				
17:08:27	A 3.97'S	4170	nodules	few		
	27.73'W	4245				
17:09:29	A 3.97'S	4170				
	27.72'W	4247				
17:10:00	A 3.96'S	4166				
	27.71'W	4248				
17:10:39	A 3.96'S	4169	20	KNOLLEN		
	27.71'W	4249				
17:11:03	A 4.50'S	4172	BENTIC	ORG.		
	27.51'W	4250				
17:11:55	A 3.95'S	4172				
	27.69'W	4251				
17:12:11	A 3.95'S	4165	HOLOTHURIA			
	27.69'W	4251				
17:12:26	A 3.94'S	4170				
	27.66'W	4251				
17:13:51	A 3.94'S	4167	TRACE	PHOTO:	436	
	27.67'W	4252				
17:14:15	A 3.62'S	4166	STRONG			
	27.00'W	4253				
17:14:47	A 3.62'S	4167	PHOTO:	438	DIR:	120
	27.00'W	4253				
17:14:57	A 3.62'S	4168	TRACE	END		
	27.00'W	4252				
17:15:31	A 3.94'S	4167	HOLOTHURIEN			
	27.65'W	4253				
17:15:59	A 3.98'S	4167				
	27.61'W	4252				

STATION: OFOS 152-16 (cont. 10)

17:16:25	A 3.93'S	4166	TRACE					
	27.64'W	4253						
17:16:44	A 3.93'S	4170	TRACE	END				
	27.64'W	4254						
17:16:59	A 3.93'S	4170						
	27.64'W	4255						
17:17:16	A 3.93'S	4170	CRUSTACEAN					
	27.64'W	4256						
17:17:46	A 3.99'S	4169						
	27.65'W	4258						
17:19:06	A 3.92'S	4170	HOLOTHURIA					
	27.60'W	4265						
17:19:30	A 3.92'S	4171						
	27.60'W	4266						
17:20:01	A 3.92'S	4169	CRAB					
	27.60'W	4266						
17:20:29	A 3.92'S	4172	TRACE	PHOTO:	447	DIR:	60	
	27.59'W	4267						
17:20:39	A 3.92'S	4171	STRONG	PHOTO:	448	DIR:	80	
	27.59'W	4266						
17:21:04	A 3.99'S	4169	TRACE	END	PHOTO:	449	DIR:	80
	27.11'W	4267						
17:21:17	A 3.99'S	4173	TRACE	PHOTO:	450	DIR:	85	
	27.11'W	4267						
17:21:36	A 3.99'S	4169						
	27.11'W	4267						
17:21:59	A 3.92'S	4174	TRACE	END				
	27.58'W	4267						
17:22:25	A 3.91'S	4173						
	27.57'W	4267						
17:22:39	A 3.91'S	4174	HOLOTHURIA					
	27.57'W	4267						
17:23:00	A 3.64'S	4175	HOLOTHURIA					
	27.52'W	4267						
17:23:11	TRACE	PHOTO:	458	DIR:	160			
17:23:32	A 3.64'S	4169	TRACE	END				
	27.52'W	4265						
17:24:00	A 3.64'S	4168						
	27.52'W	4266						
17:24:42	A 3.91'S	4167	MORE	NODULES				
	27.54'W	4265						
17:25:07	A 3.91'S	4170						
	27.54'W	4263						
17:25:30	A 3.91'S	4170						
	27.54'W	4262						
17:26:10	A 3.91'S	4171	TRACE	PHOTO:	459	DIR:	160	
	27.53'W	4262						
17:26:30	A 3.91'S	4170						
	27.52'W	4263						
17:26:39	A 3.91'S	4171	TRACE	END				
	27.52'W	4263						
17:26:59	A 3.59'S	4169						
	27.53'W	4263						
17:27:30	A 3.59'S	4169	OPHIORIA					
	27.53'W	4265						
17:28:06	A 3.91'S	4168	LAST	PHOTO				
	27.50'W	4264						
17:28:10	A 3.91'S	4172	HEAVING	START				
	27.49'W	4244						
17:28:20	A 3.91'S	4169	LOB					
	27.49'W	4242						
17:29:33	A 3.91'S	4166	PHOTOS	454				
	27.49'W	4232						
17:36:56	A 3.91'S	4168	TOF					
	27.40'W	4095						
17:37:16	A 3.91'S	4167	LAMP	OFF				
	27.39'W	4081						
	END							

Heading was not recorded due to electronic problems. Positions in this file are not ok. For correct positions see **OFOS 152 POSITIONS** (following pages).

OFOS 152 POSITIONS

DATE	TIME	LATITUDE	LONGITUDE	COMMENTS(1)		
9:03:92	14:00:00	-7:04.0495	-88:27.2548	B	T	
9:03:92	14:02:00	-7:04.0703	-88:27.2470			
9:03:92	14:04:00	-7:04.0913	-88:27.2397			
9:03:92	14:06:00	-7:04.1111	-88:27.2328			
9:03:92	14:06:37	-7:04.1187	-88:27.2314	K		
9:03:92	14:08:00	-7:04.1318	-88:27.2278			
9:03:92	14:10:00	-7:04.1557	-88:27.2241			
9:03:92	14:10:50	-7:04.1612	-88:27.2205	K	F	100
9:03:92	14:11:17	-7:04.1682	-88:27.2195	K	F	90
9:03:92	14:11:59	-7:04.1751	-88:27.2186	K		
9:03:92	14:14:20	-7:04.1963	-88:27.2141	K	F	90
9:03:92	14:14:33	-7:04.2048	-88:27.2122	K	F	90
9:03:92	14:16:00	-7:04.2197	-88:27.2104			
9:03:92	14:18:03	-7:04.2412	-88:27.2090	K	F	120
9:03:92	14:20:00	-7:04.2626	-88:27.2081			
9:03:92	14:21:01	-7:04.2702	-88:27.2076	K	F	90
9:03:92	14:22:11	-7:04.2850	-88:27.2076	K	F	95
9:03:92	14:23:13	-7:04.2999	-88:27.2081	K		
9:03:92	14:26:00	-7:04.3292	-88:27.2090			
9:03:92	14:27:32	-7:04.3439	-88:27.2122	K		
9:03:92	14:28:00	-7:04.3508	-88:27.2131			
9:03:92	14:29:10	-7:04.3577	-88:27.2150	K	F	110
9:03:92	14:30:00	-7:04.3728	-88:27.2163			
9:03:92	14:32:00	-7:04.3937	-88:27.2205			
9:03:92	14:33:24	-7:04.4082	-88:27.2232	K		
9:03:92	14:34:00	-7:04.4157	-88:27.2241			
9:03:92	14:37:24	-7:04.4366	-88:27.2292	K	F	110
9:03:92	14:40:39	-7:04.483	-88:27.236	K	F	100
9:03:92	14:41:09	-7:04.489	-88:27.238	K		
9:03:92	14:41:45	-7:04.495	-88:27.239	K		
9:03:92	14:42:56	-7:04.505	-88:27.244	K	F	90
9:03:92	14:43:09	-7:04.506	-88:27.245	K	F	60
9:03:92	14:44:50	-7:04.522	-88:27.250	K	F	110
9:03:92	14:47:38	-7:04.551	-88:27.261	K		
9:03:92	14:48:34	-7:04.561	-88:27.265	K		
9:03:92	14:49:36	-7:04.570	-88:27.268	K		
9:03:92	14:50:23	-7:04.579	-88:27.271	K		
9:03:92	14:56:18	-7:04.6330	-88:27.3033	K	F	105
9:03:92	14:59:55	-7:04.671	-88:27.325	K	F	80
9:03:92	15:00:35	-7:04.676	-88:27.328	K	F	155
9:03:92	15:01:56	-7:04.687	-88:27.336	K	F	160
9:03:92	15:02:03	-7:04.691	-88:27.337	K	F	165
9:03:92	15:03:14	-7:04.700	-88:27.347	K	F	65
9:03:92	15:04:03	-7:04.710	-88:27.353	K	F	75
9:03:92	15:04:28	-7:04.712	-88:27.356	K	F	135
9:03:92	15:05:47	-7:04.728	-88:27.371	K	F	80
9:03:92	15:05:47	-7:04.730	-88:27.373	K	F	80
9:03:92	15:08:22	-7:04.7442	-88:27.3958	K	F	90
9:03:92	15:08:48	-7:04.749	-88:27.396	K	F	70
9:03:92	15:11:39	-7:04.769	-88:27.418	K	F	165
9:03:92	15:12:31	-7:04.775	-88:27.427	K		
9:03:92	15:12:48	-7:04.777	-88:27.430	K	F	175
9:03:92	15:13:01	-7:04.778	-88:27.431	K	F	145
9:03:92	15:16:36	-7:04.795	-88:27.471	K		
9:03:92	15:16:53	-7:04.797	-88:27.475	K	F	160
9:03:92	15:20:00	-7:04.810	-88:27.515			
9:03:92	15:25:13	-7:04.809	-88:27.571	K	F	180
9:03:92	15:29:21	-7:04.802	-88:27.616	K		
9:03:92	15:30:06	-7:04.801	-88:27.645	K	F	70
9:03:92	15:32:01	-7:04.795	-88:27.645	K		
9:03:92	15:38:00	-7:04.7746	-88:27.7130			
9:03:92	15:40:49	-7:04.7657	-88:27.7437	K	F	60
9:03:92	15:44:05	-7:04.7520	-88:27.7789	K	F	75
9:03:92	15:50:47	-7:04.7145	-88:27.8352	K	F	75
9:03:92	15:54:00	-7:04.6928	-88:27.8595			
9:03:92	15:59:43	-7:04.6442	-88:27.8975	K		

OFOS 152 POSITIONS (cont.)

DATE	TIME	LATITUDE	LONGITUDE	COMMENTS[1]		
9:03:92	16:05:52	-7:04.5970	-88:27.9314	K	F	170
9:03:92	16:06:35	-7:04.5919	-88:27.9346	K	F	175
9:03:92	16:10:25	-7:04.5552	-88:27.9538	K	F	80
9:03:92	16:12:13	-7:04.541	-88:27.954	K		
9:03:92	16:14:00	-7:04.5228	-88:27.9648			
9:03:92	16:15:54	-7:04.5046	-88:27.9707	K	F	90
9:03:92	16:19:11	-7:04.4698	-88:27.9776	K		
9:03:92	16:20:07	-7:04.463	-88:27.977	K		
9:03:92	16:20:54	-7:04.4556	-88:27.9785	K	F	90
9:03:92	16:21:20	-7:04.446	-88:27.980	K	F	90
9:03:92	16:21:46	-7:04.439	-88:27.981	K	F	80
9:03:92	16:22:59	-7:04.4272	-88:27.9790	K		
9:03:92	16:25:46	-7:04.3961	-88:27.9776	K	F	80
9:03:92	16:28:23	-7:04.368	-88:27.970	K		
9:03:92	16:29:15	-7:04.358	-88:27.968	K	F	175
9:03:92	16:32:00	-7:04.3302	-88:27.9648			
9:03:92	16:32:26	-7:04.3260	-88:27.9652	K	F	90
9:03:92	16:33:30	-7:04.308	-88:27.957	K		
9:03:92	16:35:37	-7:04.283	-88:27.953	K	F	80
9:03:92	16:36:31	-7:04.272	-88:27.951	K		
9:03:92	16:37:43	-7:04.259	-88:27.947	K		
9:03:92	16:38:51	-7:04.246	-88:27.943	K	F	105
9:03:92	16:39:49	-7:04.238	-88:27.940	K	F	105
9:03:92	16:40:00	-7:04.236	-88:27.939	K	F	80
9:03:92	16:40:48	-7:04.229	-88:27.937	K		
9:03:92	16:42:01	-7:04.2175	-88:27.9327			
9:03:92	16:44:00	-7:04.1953	-88:27.9263			
9:03:92	16:44:41	-7:04.184	-88:27.921	K		
9:03:92	16:48:19	-7:04.1436	-88:27.9002	K	F	45
9:03:92	16:49:33	-7:04.136	-88:27.8975	K		
9:03:92	16:50:29	-7:04.1304	-88:27.8929	K		
9:03:92	16:51:57	-7:04.108	-88:27.876	K	F	80
9:03:92	16:53:42	-7:04.091	-88:27.863	K	F	105
9:03:92	16:54:32	-7:04.081	-88:27.858	K		
9:03:92	16:57:55	-7:04.054	-88:27.830	K	F	80
9:03:92	16:58:28	-7:04.047	-88:27.822	K		
9:03:92	17:00:00	-7:04.0358	-88:27.8096			
9:03:92	17:01:57	-7:04.0198	-88:27.7927	K		
9:03:92	17:03:59	-7:04.0050	-88:27.7734			
9:03:92	17:06:00	-7:03.9906	-88:27.7528			
9:03:92	17:08:00	-7:03.9776	-88:27.7327			
9:03:92	17:10:00	-7:03.9649	-88:27.7126			
9:03:92	17:12:00	-7:03.9535	-88:27.6897			
9:03:92	17:13:51	-7:03.9434	-88:27.6672	K		
9:03:92	17:14:47	-7:03.937	-88:27.657	K	F	120
9:03:92	17:16:25	-7:03.9284	-88:27.6370	K		
9:03:92	17:20:29	-7:03.9181	-88:27.5917	K	F	60/80
9:03:92	17:21:04	-7:03.918	-88:27.583	K	F	80
9:03:92	17:21:17	-7:03.916	-88:27.581	K	F	85
9:03:92	17:21:59	-7:03.9153	-88:27.5771	K		
9:03:92	17:23:11	-7:03.912	-88:27.557	K	F	160
9:03:92	17:26:10	-7:03.9075	-88:27.5285	K	F	160
9:03:92	17:28:00	-7:03.9074	-88:27.5038	E	T	

Positions having only three decimal digits where obtained by graphical interpolation.

(1) A "K" at the end of the line indicates a recognized trace, the number behind the "F" is the striking direction as estimated from the photos.

STATION: OFOS 156-2A

Datum: 15-MAR-1992 11:13:22
Position 5° 33.59' S 81° 51.91' W
Tiefe 5008 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
11:13:29	°G°33.59'S	5008	
272	51.91'W	22	
11:28:25	°G°33.67'S	4999	
210	51.91'W	646	
12:50:31	°F°34.37'S	5037	
208	52.38'W	4305	
13:02:24	°S°35.41'S	5031	
114	52.37'W	4573	
13:05:33	°S°35.42'S	5032	TON
117	52.36'W	4595	
13:05:52	°S°35.42'S	5034	
127	52.35'W	4603	
13:09:29	°F°34.43'S	5033	FOTO 7
149	52.32'W	4686	
13:13:56	°F°34.45'S	5030	WINCH STOP
202	52.32'W	4761	
13:21:15	A 34.90'S	5021	
257	52.14'W	4785	
13:24:00	A 34.90'S	5025	
237	52.50'W	4848	
13:28:44	A 34.90'S	5011	
217	52.50'W	4956	
13:31:18	A 34.90'S	5006	
216	52.50'W	5009	
13:31:22	A 34.90'S	5005	BOTTOM
217	52.50'W	5008	
13:32:27	A 34.90'S	5007	
221	52.50'W	5008	
13:32:32	A 34.90'S	5008	SOFT SEDIMENT
221	52.50'W	5009	
13:35:22	A 34.90'S	4999	
214	52.50'W	5014	
13:37:03	A 34.90'S	4998	
234	52.50'W	5021	
13:41:52	A 34.90'S	4986	
221	52.50'W	5022	
13:43:27	A 34.90'S	4974	
220	52.50'W	5019	
13:44:22	A 34.90'S	4973	
229	52.50'W	5019	
13:45:17	A 34.90'S	4966	
231	52.50'W	5017	
13:46:09	A 34.90'S	4963	
225	52.50'W	5010	
13:46:19	A 34.90'S	4964	UPSLOPE
224	52.50'W	5010	
13:47:18	A 34.90'S	4954	
230	52.50'W	5011	
13:48:19	A 34.90'S	4950	
226	52.50'W	5008	
13:49:26	A 34.90'S	4943	RIDGE CREST, TRANSPONDER 1
219	52.50'W	5003	
13:50:11	A 34.90'S	4946	SOFT SEDIMENT
220	52.50'W	5001	
13:51:14	A 34.90'S	4950	F12
221	52.50'W	4999	
13:51:58	A 34.90'S	4933	
216	52.50'W	4994	
13:53:37	A 34.90'S	4936	F15
214	52.50'W	4985	

STATION: OFOS 156-2A (cont.1)

13:53:57	A 34.90'S	4928	F16
212	52.50'W	4981	
13:54:08	A 34.90'S	4937	GALATHEA CRABS
211	52.50'W	4978	
13:56:00	A 34.27'S	4921	
223	52.73'W	4971	
13:56:42	A 34.24'S	4916	F17
216	52.66'W	4968	
13:58:03	A 34.27'S	4923	STILL UPSLOPE AND SOFT SEDIMENT
215	52.71'W	4964	
14:00:21	A 34.24'S	4904	
219	52.63'W	4958	
14:00:34	A 34.30'S	4906	F18
219	52.73'W	4956	
14:00:51	A 34.30'S	4899	ACTUAL RIDGE POSITION
221	52.73'W	4952	
14:02:22	A 34.30'S	4900	
227	52.72'W	4951	
14:03:37	A 34.14'S	4906	F20
224	52.65'W	4946	
14:03:43	A 34.14'S	4915	F21
227	52.65'W	4944	
14:04:04	A 34.30'S	4916	F22
235	52.71'W	4943	
14:05:31	A 34.30'S	4914	
237	52.70'W	4938	
14:06:35	A 34.30'S	4932	DOWN SLOPE
245	52.69'W	4937	
14:07:47	A 34.30'S	4940	F24
245	52.68'W	4935	
14:09:02	A 34.18'S	4952	STILL SOFT SEDIMENT
249	52.63'W	4933	
14:11:13	A 34.19'S	4986	F25
238	52.60'W	4933	
14:12:21	A 34.31'S	4991	F26
249	52.64'W	4934	
14:13:30	A 34.19'S	5008	F27
246	52.59'W	4937	
14:17:04	A 35.23'S	5053	STEEP DOWNSLOPE
239	51.05'W	4942	
14:18:13	*A*99.99'S	5064	
252	99.99'W	4951	
14:18:38	*A*99.99'S	5081	
252	99.99'W	4954	
14:19:13	*A*99.99'S	5091	
248	99.99'W	4957	
14:19:38	*A*99.99'S	5076	F30
235	99.99'W	4960	
14:20:13	*A*99.99'S	5095	F31
225	99.99'W	4967	
14:20:33	*A*99.99'S	5085	MUDSTONE OUTCROPS
224	99.99'W	4971	
14:21:30	*A*99.99'S	5103	
212	99.99'W	4972	
14:22:34	*A*99.99'S	5107	
198	99.99'W	4977	
14:23:04	*A*99.99'S	5097	F32
198	99.99'W	4977	
14:23:27	*A*99.99'S	5110	SOFT SEDIMENTS
203	99.99'W	4977	
14:24:03	*A*99.99'S	5113	F33
196	99.99'W	4975	
14:25:59	*A*99.99'S	5118	
206	99.99'W	4977	
14:27:36	*A*99.99'S	5137	
199	99.99'W	4979	
14:29:12	*A*99.99'S	5154	
204	99.99'W	4981	
14:29:59	*A*99.99'S	5143	
202	99.99'W	4980	

STATION: OFOS 156-2A (cont.2)

14:30:45	*A*99.99'S	5152	
200	99.99'W	4982	
14:31:38	*A*99.99'S	5157	
207	99.99'W	4982	
14:32:56	*A*99.99'S	5165	KRS 230
213	99.99'W	4984	
14:34:13	*A*99.99'S	5176	F36
217	99.99'W	4984	
14:35:31	*A*99.99'S	5184	
217	99.99'W	4984	
14:36:22	*A*99.99'S	5202	
223	99.99'W	4983	
14:37:50	*A*99.99'S	5233	
228	99.99'W	4982	
14:38:43	*A*99.99'S	5243	
222	99.99'W	4981	
14:39:32	*A*99.99'S	5253	SOFT SEDIMENT
233	99.99'W	4979	
14:40:10	*A*99.99'S	5260	TAPE OFF
234	99.99'W	4980	
14:41:19	*A*99.99'S	5264	TAPE ON
235	99.99'W	4979	
14:42:30	*A*99.99'S	5283	
234	99.99'W	4980	
14:43:51	*A*99.99'S	5285	
233	99.99'W	4977	
14:45:36	*A*99.99'S	5295	
244	99.99'W	4975	
14:45:46	*A*99.99'S	5293	F38
244	99.99'W	4975	
14:47:19	A 34.35'S	5302	
243	52.37'W	4968	
14:48:33	A 34.37'S	5309	
242	52.37'W	4964	
14:49:19	A 34.38'S	5309	
237	52.38'W	4973	
14:49:30	A 34.38'S	5321	MUDSTONE OUTCROPS
239	52.38'W	4976	
14:49:39	A 34.38'S	5322	F39
240	52.38'W	4979	
14:50:05	*A*99.99'S	5323	F40
235	99.99'W	4986	
14:50:20	*A*99.99'S	5326	F41
231	99.99'W	4989	
14:50:41	*A*99.99'S	5318	F43
231	99.99'W	4991	
14:51:17	A 34.39'S	5326	F44
239	52.39'W	4995	
14:51:39	A 34.39'S	5335	F45 FISH
237	52.39'W	5002	
14:53:37	A 34.34'S	5328	F48
235	52.43'W	5003	
14:54:36	A 34.41'S	5328	
241	52.40'W	5001	
14:56:29	A 34.42'S	5333	OFF BOTTOM
250	52.42'W	5026	
14:57:32	A 34.43'S	5334	BOTTOM
241	52.42'W	5052	
14:57:59	A 34.44'S	5334	F50
241	52.43'W	5057	
14:58:32	A 34.44'S	5333	MUDSTONE F52
232	52.43'W	5064	
14:58:54	A 34.44'S	5331	F54
236	52.43'W	5069	
14:59:58	*A*99.99'S	5329	
234	99.99'W	5076	
15:00:57	A 34.45'S	5331	
239	52.45'W	5086	
15:02:39	A 34.49'S	5331	
240	52.38'W	5114	

STATION: OFOS 156-2A (cont.3)

15:04:59	A 34.48'S	5331	
243	52.48'W	5134	
15:06:58	A 34.48'S	5330	NO BOTTOM
237	52.49'W	5148	
15:08:14	*A*99.99'S	5330	
245	99.99'W	5162	
15:09:26	A 34.52'S	5330	
247	52.52'W	5171	
15:09:41	A 34.52'S	5330	BENTHIC ORGANISM
244	52.52'W	5172	
15:10:22	A 34.52'S	5333	MUDS
243	52.52'W	5176	
15:11:35	A 34.53'S	5329	
240	52.53'W	5188	
15:12:28	A 34.53'S	5331	
237	52.54'W	5198	
15:12:40	A 34.54'S	5329	CLUSTER CALY
239	52.54'W	5198	
15:13:40	A 34.54'S	5331	
238	52.55'W	5207	
15:13:46	A 34.54'S	5331	BENTHIC LIFE
236	52.55'W	5207	
15:14:29	A 34.55'S	5330	
221	52.55'W	5212	
15:14:36	A 34.55'S	5329	CLAMS
219	52.55'W	5212	
15:14:41	A 34.55'S	5329	
217	52.56'W	5212	
15:14:45	A 34.55'S	5329	CLAMFIELD
216	52.56'W	5213	
15:15:04	A 34.55'S	5329	
215	52.56'W	5212	
15:15:48	*A*99.99'S	5329	
230	99.99'W	5215	
15:15:52	*A*99.99'S	5328	BENTHIC ORGANISM
230	99.99'W	5216	
15:16:05	A 34.56'S	5329	
225	52.56'W	5220	
15:16:15	A 34.56'S	5328	CLAMS F88
222	52.56'W	5223	
15:16:35	A 34.56'S	5330	
219	52.56'W	5224	
15:16:39	*A*99.99'S	5331	ANEMONE
219	99.99'W	5224	
15:17:51	*A*99.99'S	5329	
228	99.99'W	5231	
15:19:20	A 34.58'S	5331	
231	52.57'W	5242	
15:19:24	A 34.58'S	5332	BENTHIC ORG
230	52.57'W	5241	
15:21:01	A 34.58'S	5328	
237	52.58'W	5252	
15:21:59	A 34.60'S	5329	
238	52.59'W	5258	
15:22:23	A 34.60'S	5326	
227	52.59'W	5260	
15:22:47	A 34.60'S	5326	
228	52.59'W	5263	
15:23:57	A 34.61'S	5328	END OF PROFILE "A" TAPE OFF
232	52.60'W	5242	
15:26:46	A 34.63'S	5325	
239	52.63'W	5182	
END			

STATION: OFOS 156-2B

Datum: 15-MAR-1992 20:56:53
Position 5° 34.73' S 81° 52.49' W
Tiefe 5147 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
20:56:54	*A*99.99'S	5148	BEGIN FIEREN
249	99.99'W	4704	
20:57:05	*A*99.99'S	5148	
246	99.99'W	4706	
20:58:57	*A*99.99'S	5173	TON
244	99.99'W	4776	
20:59:01	*A*99.99'S	5173	
245	99.99'W	4779	
21:13:51	A 34.96'S	5326	BOTTOM
247	52.47'W	5164	
21:13:57	A 34.96'S	5335	
247	52.47'W	5164	
21:17:43	*A*99.99'S	5341	
261	99.99'W	5182	
21:17:51	*A*99.99'S	5341	SOFT SEDIMENT
262	99.99'W	5182	
21:20:11	*A*99.99'S	5334	
271	99.99'W	5192	
21:20:31	*A*99.99'S	5332	HOLOTHURIA
275	99.99'W	5195	
21:20:55	*A*99.99'S	5332	TAPE OFF
275	99.99'W	5195	
21:21:38	A 34.99'S	5328	
243	52.48'W	5200	
21:23:16	*A*99.99'S	5324	HOLOTHURIA
214	99.99'W	5211	
21:24:23	A 34.95'S	5323	
196	52.52'W	5217	
21:24:46	A 34.96'S	5327	2 BENTHIC ORGANISMS
176	52.53'W	5220	
21:25:58	A 34.95'S	5319	HOLOTHURIA
173	52.48'W	5223	
21:27:36	A 34.98'S	5325	BENTHIC ORGANISM
174	52.55'W	5233	
21:28:09	*A*99.99'S	5326	HOLOTHURIA
170	99.99'W	5235	
21:28:39	*A*99.99'S	5324	CRAB
167	99.99'W	5238	
21:28:44	*A*99.99'S	5325	HOLOTHURIA
168	99.99'W	5238	
21:28:55	*A*99.99'S	5327	SEVERAL BENTHIC ORGANISMS
169	99.99'W	5240	
21:29:06	*A*99.99'S	5328	HOLOTHURIA
171	99.99'W	5241	
21:30:02	*A*99.99'S	5325	HOLOTHURIA
175	99.99'W	5245	
21:30:23	*A*99.99'S	5324	HOLOTHURIA
173	99.99'W	5245	
21:31:00	*A*99.99'S	5324	BENTHIC ORGANISM
169	99.99'W	5250	
21:31:53	A 34.98'S	5326	SWIMMING HOLOTHURIA
169	52.57'W	5253	
21:32:11	A 34.99'S	5327	2 HOLOTHURIA
168	52.57'W	5255	
21:32:52	A 35.00'S	5326	SWIMMIMG ORGANISM
170	52.56'W	5259	
21:33:53	*A*99.99'S	5325	HOLOTHURIA
159	99.99'W	5266	
21:34:14	A 34.99'S	5327	HOLOTHURIA
170	52.59'W	5267	

STATION: OFOS 156-2B

21:34:40	*A*99.99'S	5327	STARFISH
175	99.99'W	5268	
21:36:28	A 35.04'S	5324	HOLOTHURIA
170	52.62'W	5278	
21:36:46	*A*99.99'S	5328	2 HOLOTHURIA
169	99.99'W	5279	
21:37:46	A 35.02'S	5325	BENTHIC ORGANISM
173	52.62'W	5287	
21:39:36	*A*99.99'S	5325	BENTHIC ORGANISM
174	99.99'W	5294	
21:40:10	*A*99.99'S	5327	STARFISH
179	99.99'W	5297	
21:42:48			TIME RECORDING TERMINATED
21:43:00	35.08'S		
	52.69'W		
21:56:26			LOB, BEGIN HEAVING PHOTOS: 372

STATION: OFOS 156-2C

Datum: 15-MAR-1992 16:58:50
Position 5° 34.98' S 81° 52.28' W
Tiefe 5043 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
16:59:10	A 34.95'S	5052	
258	52.34'W	4704	
16:59:53	A 34.96'S	5079	FIEREN
258	52.32'W	4706	
16:59:58	A 34.97'S	5080	
257	52.32'W	4709	
17:02:14	A 34.96'S	5108	TAPE ON
256	52.30'W	4778	
17:05:33	A 34.95'S	5162	
232	52.28'W	4875	
17:06:31	A 34.96'S	5170	
231	52.27'W	4903	
17:06:54	A 34.96'S	5174	
235	52.27'W	4914	
17:07:48	*A*99.99'S	5191	ANIMAL
217	99.99'W	4933	
17:08:13	A 34.95'S	5196	
219	52.26'W	4942	
17:09:36	A 34.97'S	5201	SIPHONOPHORE
221	52.26'W	4970	
17:09:46	A 34.97'S	5202	BOT1
220	52.26'W	4972	
17:10:48	A 34.98'S	5205	START OF OBSERVATION
215	52.26'W	4978	
17:12:00	A 34.98'S	5210	
216	52.26'W	4983	
17:12:46	A 34.99'S	5240	
220	52.26'W	4987	
17:12:56	A 34.99'S	5240	
218	52.26'W	4988	
17:13:20	A 34.98'S	5238	ANEMONEN
211	52.27'W	4989	
17:13:36	A 34.98'S	5246	
206	52.27'W	4990	
17:14:18	*A*99.99'S	5235	MUDSTONE OUTCROP
216	99.99'W	4994	
17:15:18	A 34.99'S	5257	
221	52.27'W	5001	
17:15:34	A 34.99'S	5251	
223	52.27'W	5002	
17:16:05	A 34.99'S	5255	
221	52.28'W	5005	
17:16:55	A 34.99'S	5265	CALY
221	52.28'W	5013	
17:17:02	A 34.99'S	5259	
220	52.28'W	5015	
17:17:52	*A*99.99'S	5269	CLAMS CA. 10
221	99.99'W	5020	
17:18:21	A 34.99'S	5274	
220	52.29'W	5025	
17:18:37	A 34.99'S	5283	
221	52.29'W	5029	
17:19:06	*A*99.99'S	5288	ANEMONEN
226	99.99'W	5034	
17:19:39	*A*99.99'S	5273	
225	99.99'W	5040	
17:20:30	*A*99.99'S	5279	
222	99.99'W	5047	
17:20:53	*A*99.99'S	5289	CALY
222	99.99'W	5051	
17:21:26	*A*99.99'S	5298	LOCKERES CALYPTOGENA NEST
231	99.99'W	5053	

STATION: OFOS 156-2C (cont. 1)

17:21:38	*A*99.99'S	5299	
232	99.99'W	5054	
17:22:04	*A*99.99'S	5290	CLAMS
234	99.99'W	5056	
17:22:53	A 35.01'S	5295	
230	52.30'W	5058	
17:23:26	A 35.02'S	5300	ANEMONEN OD. CLAMS
227	52.31'W	5064	
17:24:10	*A*99.99'S	5298	
219	99.99'W	5070	
17:24:55	A 35.03'S	5302	
225	52.31'W	5078	
17:25:48	A 35.03'S	5304	
248	52.32'W	5087	
17:26:33	*A*99.99'S	5314	
237	99.99'W	5094	
17:26:57	A 35.06'S	5313	CALY
236	52.29'W	5099	
17:27:27	A 35.06'S	5315	CLAMS
234	52.30'W	5102	
17:28:07	A 35.06'S	5316	
243	52.30'W	5107	
17:28:20	A 35.06'S	5314	CLAM BED
243	52.30'W	5109	
17:28:50	A 35.07'S	5317	CLAM BED
239	52.30'W	5112	
17:29:35	A 35.07'S	5316	
240	52.31'W	5117	
17:30:16	A 35.08'S	5322	
246	52.31'W	5122	
17:30:51	A 35.08'S	5320	
246	52.31'W	5126	
17:31:40	CALY		
17:32:53	A 35.09'S	5322	
227	52.32'W	5148	
17:33:16	A 35.09'S	5334	
227	52.32'W	5152	
17:33:25	A 35.10'S	5335	
229	52.32'W	5154	
17:33:50	A 35.10'S	5324	SOFT SEDIMENT
236	52.32'W	5157	
17:34:16	A 35.10'S	5323	
239	52.33'W	5160	
17:34:40	A 35.08'S	5323	
235	52.36'W	5164	
17:35:20	A 35.09'S	5326	
230	52.36'W	5172	
17:35:56	A 35.09'S	5327	SOFT SEDIMENT
234	52.36'W	5177	
17:36:46	A 35.10'S	5324	
234	52.37'W	5186	
17:37:05	A 35.10'S	5327	
238	52.37'W	5189	
17:37:39	A 35.10'S	5327	
238	52.37'W	5193	
17:37:50	A 35.10'S	5327	
235	52.37'W	5195	
17:38:09	A 35.11'S	5326	DEAD CLAMS
234	52.37'W	5199	
17:39:03	A 35.11'S	5327	
237	52.38'W	5207	
17:39:06	A 35.11'S	5328	
237	52.38'W	5208	
17:39:51	A 35.12'S	5325	
237	52.39'W	5216	
17:40:54	*A*99.99'S	5326	
246	99.99'W	5225	
17:41:28	*A*99.99'S	5329	
244	99.99'W	5232	
17:42:43	A 35.14'S	5331	
231	52.40'W	5238	

STATION: OFOS 156-2C (cont. 2)

17:43:39	A 35.15'S	5324	
234	52.40'W	5247	
17:44:19	*A*99.99'S	5325	
237	99.99'W	5251	
17:44:57	A 35.16'S	5329	
253	52.41'W	5255	
17:45:26	A 35.17'S	5329	
248	52.42'W	5259	
17:45:59	A 35.17'S	5328	
241	52.41'W	5262	
17:46:27	A 35.17'S	5327	
236	52.41'W	5266	
17:47:02	A 35.21'S	5331	
239	52.39'W	5271	
17:47:56	A 35.17'S	5325	
250	52.42'W	5277	
17:48:41	*A*99.99'S	5327	
258	99.99'W	5283	
17:49:10	*A*99.99'S	5326	
263	99.99'W	5285	
17:49:53	*A*99.99'S	5326	
251	99.99'W	5290	
17:50:24	*A*99.99'S	5326	
248	99.99'W	5293	
17:50:44	A 35.20'S	5327	
247	52.44'W	5295	
17:51:21	*A*99.99'S	5327	
251	99.99'W	5299	
17:51:52	*A*99.99'S	5327	
249	99.99'W	5302	
17:52:25	*A*99.99'S	5326	
251	99.99'W	5305	
17:53:11	*A*99.99'S	5325	
258	99.99'W	5311	
17:53:58	A 35.21'S	5324	
242	52.45'W	5315	
17:54:36	A 35.21'S	5326	
247	52.45'W	5319	
17:55:25	A 35.26'S	5325	
241	52.44'W	5324	
17:56:24	*A*99.99'S	5322	
233	99.99'W	5329	
17:56:55	A 35.24'S	5322	
237	52.46'W	5332	
17:57:16	A 35.24'S	5323	
237	52.46'W	5334	
17:58:08	A 35.25'S	5324	
242	52.47'W	5338	
17:58:33	A 35.25'S	5322	
248	52.47'W	5340	
17:59:14	A 35.26'S	5320	
250	52.47'W	5343	
17:59:41	A 35.26'S	5324	
249	52.48'W	5345	
18:00:27	*A*99.99'S	5320	BENTHIC ORGANISMS
236	99.99'W	5346	
18:01:01	A 35.27'S	5322	
237	52.48'W	5347	
18:01:45	A 35.28'S	5322	
250	52.49'W	5351	
18:02:35	A 35.28'S	5324	
256	52.49'W	5354	
18:03:10	A 35.29'S	5320	
249	52.49'W	5356	
18:03:35	*A*99.99'S	5323	
243	99.99'W	5357	
18:04:21	A 35.30'S	5321	
255	52.50'W	5360	
18:04:51	A 35.31'S	5318	
257	52.51'W	5362	

STATION: OFOS 156-2C (cont. 3)

18:05:20	A 35.31'S	5314	
257	52.51'W	5364	
18:05:49	A 35.31'S	5321	
257	52.51'W	5365	
18:06:20	A 35.32'S	5319	
251	52.51'W	5367	
18:06:53	*A*99.99'S	5318	
253	99.99'W	5368	
18:07:04	*A*99.99'S	5322	
256	99.99'W	5369	
18:07:49	*A*99.99'S	5322	HOLOTHURIA
262	99.99'W	5369	
18:08:26	A 35.33'S	5316	
265	52.52'W	5368	
18:08:41	A 35.34'S	5316	
267	52.53'W	5368	
18:09:02	A 35.34'S	5308	SEASTAR
262	52.53'W	5369	
18:09:33	A 35.35'S	5313	HOLOTHURIA
259	52.53'W	5369	
18:10:20	A 35.35'S	5315	CHANGES OF SEDIMENT SURFACE
256	52.53'W	5369	
18:10:50	A 35.36'S	5305	
256	52.54'W	5369	
18:11:21	A 35.36'S	5313	
264	52.54'W	5370	
18:11:49	A 35.36'S	5309	
269	52.54'W	5370	
18:12:16	A 35.37'S	5310	
264	52.54'W	5370	
18:13:01	A 35.37'S	5303	BENTHIC ORGANISM
257	52.55'W	5370	
18:13:21	A 35.38'S	5308	
253	52.55'W	5370	
18:13:44	A 35.38'S	5302	
258	52.55'W	5371	
18:14:15	A 35.38'S	5308	HOLOTHURIA
269	52.56'W	5371	
18:14:19	A 35.38'S	5300	
270	52.56'W	5371	
18:14:51	A 35.38'S	5309	
278	52.55'W	5371	
18:15:06	A 35.38'S	5303	
281	52.55'W	5371	
18:15:20	A 35.40'S	5304	HOLOTHURIA
280	52.56'W	5371	
18:15:49	A 35.40'S	5302	
274	52.56'W	5370	
18:16:20	*A*99.99'S	5291	
268	99.99'W	5371	
18:16:28	*A*99.99'S	5303	
267	99.99'W	5371	
18:16:42	A 35.41'S	5304	HOLOTHURIA
265	52.57'W	5371	
18:16:54	A 35.41'S	5287	HOLOTHURIA
267	52.57'W	5372	
18:17:23	A 35.41'S	5291	HOLOTHURIA
272	52.57'W	5371	
18:17:52	A 35.41'S	5294	HOLOTHURIA
271	52.57'W	5371	
18:18:18	*A*99.99'S	5291	HOLOTHURIA
272	99.99'W	5372	
18:18:34	*A*99.99'S	5292	HOLOTHURIA
270	99.99'W	5372	
18:19:19	A 35.43'S	5289	CRINOIDEA
266	52.59'W	5372	
18:19:49	A 35.43'S	5281	
265	52.59'W	5373	
18:20:15	A 35.44'S	5287	
267	52.59'W	5373	

STATION: OFOS 156-2C (cont. 4)

18:20:32	A 35.44'S	5286	BENTHIC ORGANISM
264	52.59'W	5373	
18:20:58	A 35.44'S	5294	HOLOTHURIA
262	52.59'W	5373	
18:21:20	A 35.45'S	5287	
265	52.60'W	5373	
18:21:50	A 35.45'S	5283	
269	52.60'W	5373	
18:22:05	*A*99.99'S	5283	
269	99.99'W	5373	
18:22:40	A 35.46'S	5278	BENTHIC ORGANISM
259	52.60'W	5373	
18:23:12	A 35.46'S	5287	HOLOTHURIA
258	52.60'W	5373	
18:23:25	A 35.45'S	5281	HOLOTHURIA
264	52.57'W	5373	
18:24:04	A 35.47'S	5281	2 HOLOTHURIA
278	52.61'W	5373	
18:24:14	A 35.47'S	5282	BENTHIC ORGANISM
276	52.61'W	5373	
18:24:21	A 35.47'S	5279	HOLOTHURIA
274	52.61'W	5373	
18:24:41	*A*99.99'S	5283	CEOLENTERATE
274	99.99'W	5372	
18:25:30	A 35.48'S	5281	HOLOTHURIA
275	52.62'W	5372	
18:25:47	A 35.48'S	5284	HOLOTHURIA
275	52.62'W	5372	
18:26:31	A 35.49'S	5277	HOLOTHURIA
267	52.62'W	5372	
18:26:54	A 35.49'S	5278	2 HOLOTHURIA
271	52.62'W	5372	
18:27:13	A 35.49'S	5277	HOLOTHURIA
269	52.62'W	5372	
18:27:32	A 35.50'S	5275	HOLOTHURIA
267	52.63'W	5372	
18 27:47	A 35.50'S	5281	2 HOLOTHURIA
277	52.63'W	5372	
18 28:08	*A*99.99'S	5278	BENTHIC ORGANISMS
284	99.99'W	5372	
18 28:18	*A*99.99'S	5279	3 HOLOTHURIA
281	99.99'W	5372	
18:28:49	A 35.51'S	5274	CEOLENTERATE
280	52.64'W	5370	
18 29:13	A 35.51'S	5281	
278	52.64'W	5364	
18:29:18	A 35.52'S	5281	LOB
276	52.64'W	5362	

STATION: OFOS 156-12

Datum: 17-MAR-1992 20:38:04
Position 5° 34.42' S 81° 52.60' W
Tiefe 5066 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
20:38:07	A 35.03'S	5066	
43	52.61'W	3	
21:43:22	A 34.47'S	4999	
359	52.49'W	2883	
21:46:41	A 34.47'S	4995	
358	52.48'W	3031	
22:28:17	A 34.54'S	4965	
344	52.44'W	4784	
22:33:30	A 34.57'S	4959	TON
2	52.73'W	4930	
22:33:34	A 34.57'S	4960	
358	52.73'W	4932	
22:35:44	A 34.54'S	4972	
350	52.44'W	4967	
22:38:20	A 34.54'S	4963	BOTTOM IN SIGHT
313	52.44'W	5009	
22:38:28	A 34.54'S	4964	
327	52.44'W	5009	
22:40:05	A 35.05'S	4973	
301	52.67'W	5008	
22:40:26	A 35.05'S	4972	BIOLSTRUCTURE CHIMNEY
309	52.67'W	5008	
22:40:48	A 34.55'S	4957	
287	52.45'W	5008	
22:40:53	A 34.55'S	4957	BIOTURBATION
280	52.45'W	5008	
22:41:21	A 34.55'S	4972	SEA ANEMONY
301	52.45'W	5008	
22:43:18	A 34.43'S	4985	
232	52.65'W	5007	
22:44	SINGLE	CLAM	PHOTO 409/410
22:50:24	A 34.55'S	4991	
126	52.46'W	5008	
22:50:41	A 34.54'S	4992	BEDDED MUDSTONE
134	52.40'W	5007	
22:52:11	A 34.55'S	4979	BIG FISH
157	52.44'W	5007	
22:52:15	A 34.55'S	4992	SEASPIDER
156	52.44'W	5007	
22:54:06	A 34.57'S	4997	
173	52.45'W	5016	
22:54:11	A 34.57'S	4998	BEDDED MUDSTONE
175	52.45'W	5015	
22:54:50	A 34.57'S	4990	STEEP OUTCROP
182	52.44'W	5010	
22:56:42	A 34.58'S	4996	
172	52.44'W	5017	
22:58:18	A 34.59'S	4993	
167	52.44'W	5020	
23:00:46	A 34.60'S	5003	
194	52.44'W	5011	
23:00:57	A 34.61'S	4995	SEA ANEMONY
193	52.44'W	5012	
23:02:21	A 34.61'S	4997	
165	52.44'W	5022	
23:02:26	A 34.61'S	4998	5 M LEDGE
164	52.44'W	5022	
23:03:04	A 34.62'S	4999	
178	52.44'W	5021	
23:03:13	A 34.62'S	5000	BEDDED MUDSTONE OUTCROP
184	52.44'W	5021	

STATION: OFOS 156-12 (cont. 1)

23:03:50	A 34.62'S	4994	
175	52.44'W	5027	
23:04:25	A 34.63'S	5014	STEEP SLOPE
158	52.44'W	5037	
23:04:33	A 34.64'S	5015	STILL STEEP
158	52.44'W	5038	
23:04:35	A 34.64'S	5015	
159	52.44'W	5038	
23:05:25	A 34.64'S	5000	CLAMS DISARTICULATED PHOTO 442/443
160	52.44'W	5041	
23:05:30	A 34.94'S	5000	FLAT SURFACE
164	52.57'W	5041	
23:06:44	A 34.62'S	5002	
185	52.44'W	5042	
23:07:15	A 34.62'S	5004	SINGLE CLAM
195	52.44'W	5039	
23:07:22	A 34.62'S	5004	SEA ANEMONIES
193	52.44'W	5038	
23:08:33	A 34.66'S	5013	
193	52.44'W	5028	
23:09:27	A 34.68'S	5011	PENNATULARIA
182	52.43'W	5024	
23:09:43	A 34.68'S	5003	CLIFF SEA ANEM.
192	52.43'W	5024	
23:10:58	A 34.65'S	5009	SINGLE DISARTIC. CLAM PHOTO 423
193	52.77'W	5027	
23:11:22	A 34.65'S	5021	SERPS SERPS
181	52.77'W	5030	
23:12:06	A 35.07'S	5011	
167	52.40'W	5024	
23:13:42	A 34.70'S	5018	CLIFF SEA ANEM.
188	52.43'W	5024	
23:14:21	A 35.15'S	5024	CLIFF WITH ORGS ALIGNED
175	52.62'W	5020	
23:15:02	A 35.12'S	5029	VERTICAL CLIFF
175	52.71'W	5029	
23:15:49	A 34.73'S	5017	STILL CLIFF
162	52.43'W	5035	
23:16:17	A 34.95'S	5036	STILL CLIFF
159	52.77'W	5040	
23:16:27	A 34.95'S	5037	STILL CLIFF CLAMS LIVE
177	52.77'W	5041	
23:17:15	A 34.73'S	5034	
188	52.43'W	5042	
23:18:20	A 34.91'S	5048	STILL STEEP
198	52.35'W	5036	
23:18:35	A 35.06'S	5051	END OF LEDGE
192	52.35'W	5038	
23:19:32	A 34.72'S	5042	NEW CLIFF
189	52.39'W	5041	
23:21:22	A 34.76'S	5053	MOUND WITH SINGLE LIVE CLAM
178	52.48'W	5040	
23:22:21	A 35.79'S	5064	STILL GOING DOWN
187	52.72'W	5038	
23:23:09	A 35.59'S	5055	STEEP LEDGE
191	52.54'W	5046	
23:23:32	A 36.86'S	5066	MOUND WITH ANEMS.
163	52.26'W	5053	
23:25:31	A 35.62'S	5068	STILL STEEP
176	52.97'W	5053	
23:25:56	A 35.62'S	5075	FLAT
168	52.97'W	5051	
23:26:22	A 34.84'S	5069	VERTICAL CLIFF WITH STRATA
170	52.48'W	5059	
23:26:33	A 35.40'S	5068	STILL VERTICAL
172	52.71'W	5061	
23:26:47	A 35.40'S	5065	SPONGE
170	52.71'W	5063	
23:27:17	A 35.14'S	5076	STILL VERTICAL
169	52.72'W	5068	

STATION: OFOS 156-12 (cont. 2)

23:27:50	A 35.22'S	5077	STILL VERTICAL
174	52.49'W	5073	
23:27:58	A 35.64'S	5076	LOST BOTTOM
171	53.06'W	5075	
23:28:47	A 35.60'S	5074	STILL VERTICAL
167	52.56'W	5080	
23:29:40	A 34.84'S	5076	GETTING FLAT
169	52.47'W	5085	
23:29:57	A 34.84'S	5076	FLAT
166	52.47'W	5086	
23:30:38	A 35.31'S	5079	
183	53.07'W	5085	
23:32:10	A 35.74'S	5092	RUBBLE MOUND CLAM ANEMS
172	52.52'W	5089	
23:32:48	A 35.65'S	5095	FLAT
162	52.48'W	5087	
23:33:11	A 34.81'S	5083	NEARLY VERTICAL
163	52.64'W	5089	
23:34:08	A 35.54'S	5101	FLAT
176	52.66'W	5094	
23:34:45	A 35.32'S	5097	SHORT VERTICAL STEP
181	52.64'W	5092	
23:35:49	A 35.11'S	5099	another short steep step
193	52.82'W	5095	
23:36:06	A 35.10'S	5100	(pogos colonies) Bryozoa ?
179	52.70'W	5101	
23:36:54	A 35.16'S	5105	steep
183	52.48'W	5104	
23:37:44	A 34.96'S	5092	flat
168	52.47'W	5107	
23:37:58	A 34.96'S	5104	another step
163	52.47'W	5107	
23:38:18	A 34.95'S	5107	flat
173	52.41'W	5107	
23:39:05	A 35.14'S	5110	rubble
189	52.33'W	5107	
23:39:39	A 35.19'S	5104	rubble mound big
208	52.39'W	5107	
23:39:52	A 35.19'S	5112	disarticulate clam
211	52.39'W	5110	
23:40:43	A 36.05'S	5113	steep step
228	52.36'W	5116	
23:42:34	A 36.06'S	5118	flat
240	52.09'W	5117	
23:46:47	A 35.09'S	5133	flat
153	52.32'W	5132	
23:47:19	A 35.13'S	5136	apparently reached flat part of trench
138	52.42'W	5134	
23:48:00	A 36.11'S	5121	decide course change
142	52.94'W	5138	
23:48:18	A 36.11'S	5125	too early clam field live
99	52.94'W	5141	
23:49:30	A 35.09'S	5124	
61	52.40'W	5147	
23:49:54	A 35.09'S	5122	cluster of live clams
66	52.40'W	5148	
23:50:53	A 35.25'S	5126	square meter colony
68	52.08'W	5151	
23:53:21	A 35.11'S	5110	small step
53	52.75'W	5160	
23:58:04	A 35.11'S	5084	mudstone outcrop
41	52.39'W	5177	
23:58:28	A 35.11'S	5080	flat sedimented surface
50	52.39'W	5179	
00:03:20	A 35.29'S	5007	holos appear to be at bottom of scarp
67	52.50'W	5194	
00:03:33	A 35.29'S	5005	flat sedimented surface
63	52.50'W	5195	
00:05:24	A 35.16'S	4967	waiting for ofos to respond to course change
79	52.38'W	5201	

STATION: OFOS 156-12 (cont. 3)

00:06:19	A 35.18'S	4959	
78	52.38'W	5203	
00:08:21	A 35.19'S	4941	holos
60	52.37'W	5206	
00:08:48	A 34.89'S	4935	fish
65	53.23'W	5208	
00:10:46	A 35.69'S	4906	pennatularia
75	52.54'W	5208	
00:11:50	A 35.21'S	4898	holos
78	52.35'W	5208	
00:14:03	A 35.54'S	4900	still flat
20	52.77'W	5197	
00:14:43	A 35.23'S	4898	still flat
346	52.34'W	5193	
00:15:08	A 35.23'S	4897	going up slowely
343	52.34'W	5191	
00:17:50	A 35.30'S	4916	holos seastar
103	52.69'W	5179	
00:20:42	A 35.24'S	4917	mudstone
148	52.30'W	5163	
00:20:58	A 35.24'S	4925	flat
150	52.30'W	5161	
00:22:00	A 35.25'S	4913	sea star
127	52.29'W	5154	
00:23:45	A 35.28'S	4905	going urwards
103	52.19'W	5149	
00:24:55	A 35.12'S	4905	two isolated clams
137	52.74'W	5139	
00:25:01	A 35.12'S	4905	holos
139	52.74'W	5139	
00:26:13	A 35.71'S	4909	stone
115	52.83'W	5129	
00:26:28	A 35.71'S	4895	scarps
41	52.83'W	5125	
00:26.57	A 35.58'S	4903	single pogo net of clams
93	52.50'W	5123	
00:30:00	A 35.11'S	4883	SCARP
91	52.72'W	5104	
00:30:09	A 35.11'S	4885	BIOTURBATION
88	52.72'W	5102	
00:31:17	A 34.87'S	4871	SCARP
91	53.15'W	5090	
00:31:28	A 34.93'S	4868	ANEMONS
101	53.15'W	5088	
00:32:49	A 35.19'S	4860	SCARPWITH ANEMONS
89	52.44'W	5073	
00:33:00	single	clam	
00:35:48	A 35.34'S	4846	MUDSTONE OUTRCROP
119	52.51'W	5054	
00:35:54	A 35.34'S	4847	SEASTAR
115	52.51'W	5054	
00:39:31	A 35.73'S	4845	
129	53.13'W	5052	
00:39:34	A 35.73'S	4845	SCARP
131	53.13'W	5052	
00:40:10	A 35.78'S	4833	STEEP SCARP
110	52.90'W	5043	
00:41:21	A 35.13'S	4827	ANEMONS
147	52.21'W	5040	
00:41:44	A 35.13'S	4843	
168	52.21'W	5041	
00:41:55	A 35.13'S	4844	ROCK OUTCROP
151	52.21'W	5039	
00:43:14	A 35.31'S	4847	
156	52.17'W	5033	
00:44:06	A 35.39'S	4831	PENNATULARIA
108	52.85'W	5027	
00:45:12	A 35.69'S	4826	SPONGE
117	52.84'W	5019	
00:47:07	A 35.19'S	4827	STEEP SCARP, SEASTAR
326	52.68'W	5001	

STATION: OFOS 156-12 (cont. 4)

00:47:24	A 34.96'S	4844	SCARP
319	53.29'W	4993	
00:48:44	A 35.33'S	4838	STEEP SCARP, ANEMONS
310	52.14'W	4978	
00:50:08	A 35.64'S	4846	ROCK OUTCROPS
288	53.46'W	4962	
00:51:45	A 35.64'S	4877	ROCK OUTCROPS
266	53.46'W	4945	
00:54:24	A 35.64'S	4901	ANEMONS
272	53.46'W	4926	
00:55:10	A 35.64'S	4896	ISOLATED STONES
267	53.46'W	4924	
00:55:46	A 35.64'S	4886	ANEMONS
267	53.46'W	4929	
00:57:31	A 35.13'S	4935	ISOLATED CLAM
261	52.84'W	4914	
00:58:40	A 35.77'S	4955	SCARP VALLEY
264	53.92'W	4907	
00:59:29	A 35.99'S	4979	STEEP SCARP
260	52.31'W	4895	
01:04:37	A 35.64'S	5087	VERY DEEP SCARP
269	52.57'W	4918	
01:07:06	A 35.97'S	5132	ELONGATED ORGANISM
257	52.58'W	4937	
01:07:55	A 35.62'S	5134	ANEMONS!!!!
266	52.45'W	4938	
01:09:14	A 35.37'S	5147	SCARP
280	52.25'W	4950	
01:12:20	A 35.88'S	5161	CANYON WALL, NEST OF CLAMS
261	52.70'W	4981	
01:12:33	A 35.88'S	5162	
272	52.70'W	4982	
01:14:24	A 35.58'S	5199	POGOS
273	52.37'W	4997	
01:16:17	A 35.58'S	5204	OUTCROP
238	52.37'W	5018	
01:16:28	A 35.58'S	5205	HOLOS
235	52.37'W	5016	
01:18:08	A 35.87'S	5218	BEDDED ROCKS
299	52.53'W	5029	
01:18:14	A 35.87'S	5219	SCARP
301	52.53'W	5029	
01:19:26	A 35.69'S	5234	
285	52.32'W	5035	
01:19:35	A 35.69'S	5237	CLAMS
280	52.32'W	5037	
01:19:47	A 35.69'S	5238	SCARP
272	52.32'W	5040	
01:20:16	A 35.69'S	5235	ANEMONS
264	52.32'W	5044	
01:20:22	A 35.69'S	5235	
261	52.32'W	5043	
01:20:26	A 35.69'S	5232	SCARP
257	52.32'W	5043	
01:22:17	A 35.69'S	5226	STEEP SCARP
251	52.32'W	5057	
01:22:57	A 35.69'S	5225	
212	52.32'W	5064	
01:24:12	A 35.69'S	5230	SCARP STEEP
238	52.32'W	5075	
01:24:24	A 35.69'S	5225	STILL SCARP
235	52.32'W	5077	
01:25:24	A 35.69'S	5231	ISOLATED MUDSTONES
218	52.32'W	5085	
01:26:41	A 35.69'S	5221	CLAM FIELD\ LARGE AREA
157	52.32'W	5102	
01:28:23	A 35.40'S	5234	STILL GOING DEEPER
169	52.20'W	5110	
01:28:37	A 35.40'S	5231	SOME BOULDERS
174	52.20'W	5112	

STATION: OFOS 156-12 (cont. 5)

01:29:41	A 35.68'S	5228	OUTCROP
154	52.54'W	5116	
01:29:51	A 35.68'S	5231	OUTCROP
160	52.54'W	5116	
01:30:11	A 35.90'S	5234	
168	53.60'W	5117	
01:30:32	A 35.90'S	5230	CLAM SMALL FIELD
175	53.60'W	5120	
01:31:44	A 35.59'S	5223	THREE ISOLATED CLAMS
186	52.57'W	5126	
01:31:58	A 35.59'S	5227	STILL GOING DEEPER
182	52.57'W	5127	
01:32:56	A 35.59'S	5228	
214	52.56'W	5136	
01:33:34	A 35.53'S	5229	SPONGE
241	52.49'W	5142	
01:34:02	A 35.59'S	5232	STILL GOING DEEPER
225	52.58'W	5149	
01:35:18	A 35.59'S	5236	OUTCROPS
224	52.57'W	5161	
01:35:54	A 35.51'S	5233	
193	52.48'W	5169	
01:36:23	A 35.43'S	5236	HOLOS
208	52.46'W	5173	
01:36:39	A 35.58'S	5235	ISOLATED ROCKS
220	52.57'W	5175	
01:37:26	A 35.47'S	5237	
200	52.41'W	5182	
01:37:33	A 35.47'S	5238	ISOLATED ROCK
194	52.41'W	5184	
01:38:33	A 35.40'S	5243	
182	52.56'W	5194	
01:40:21	A 35.44'S	5248	HOLOS
172	52.30'W	5204	
01:44:05	A 35.56'S	5235	HOLOS
185	52.33'W	5134	
01:44:17	A 35.56'S	5237	HEAVING START
174	52.33'W	5124	
01:47:43	A 35.58'S	5245	
157	52.36'W	4999	
01:47:53	A 35.58'S	5246	TAPE OFF
162	52.36'W	4999	PHOTOS: 712
END			

STATION: OFOS 163-1A

Datum: 23-MAR-1992 16:20:12
Position 9° 34.14' S 80° 7.96' W
Tiefe 3556 m

Zeit (UTC) Kurs	Position (Schiff)	Tiefe Seil	Kommentar
16:44:59	F 34.08'S	3524	
16	7.94'W 1075		
17:11:16	F 34.27'S	3503	
102	7.81'W 2158		
17:40:47	G 34.59'S	3559	
343	7.81'W 3304		
17:43:31	G 34.59'S	3566	TON
113	7.82'W 3408		
17:44:16	G 34.60'S	3569	
104	7.83'W 3437		
17:45:32	G 34.62'S	3573	
94	7.83'W 3485		
17:46:20	G 34.63'S	3569	BOTTOM IN SIGHT
92	7.83'W 3510		
17:46:40	G 34.63'S	3568	
90	7.83'W 3511		
17:47:44	G 34.65'S	3565	
102	7.81'W 3516		
17:49:05	G 34.65'S	3558	SOFT SEDIMENT
107	7.77'W 3524		
17:49:40	G 34.64'S	3555	DON'T SEEM TO MOVE
116	7.75'W 3529		
17:50:21	G 34.65'S	3558	ENORMOUS TRACK
124	7.73'W 3540		
17:50:37	G 34.65'S	3561	SEDIMENT SURFACE SPOTTY
126	7.73'W 3542		
17:51:42	G 34.67'S	3567	SUSPECTED SEAURCHIN F 12
135	7.72'W 3547		
17:53:13	G 34.72'S	3570	FORAGING PATTERN
142	7.72'W 3554		
17:54:01	OFOS-DIRECTION		FROM PHOTO F17: 170 GRAD
17:55:19	G 34.76'S	3586	SLOWLY MOVING
133	7.72'W 3560		
17:55:53	G 34.77'S	3591	STRANGE OBJECT
148	7.71'W 3561		
17:56:17	G 34.78'S	3594	SINGLE FLAT ROCK F 20
150	7.71'W 3563	F21:=	17:56:13 DIFF. VIDEO-FOTO TIME=10 SEC
17:56:55	G 34.78'S	3597	TWO TYPES OF FORAGING PATTERN
142	7.70'W 3564		
17:57:10	G 34.79'S	3598	RADIAL AND ELONGATED TRACKS
148	7.70'W 3564		
17:58:13	G 34.80'S	3604	STEEP SLOPE
154	7.70'W 3565		
17:59:15	G 34.81'S	3611	LOST BOTTOM SIGHT
157	7.70'W 3563		
17:59:46	G 34.82'S	3615	STILL LOST
156	7.71'W 3567		
18:00:04	G 34.83'S	3612	BOTTOM IN SIGHT
150	7.71'W 3573		
18:00:17	G 34.84'S	3617	RUBBLY SURFACE
148	7.71'W 3574		
18:00:57	G 34.86'S	3621	STEEPER SLOPE WITH OUTCROPS
154	7.72'W 3577		
18:01:12	G 34.87'S	3621	F32: 160°
159	7.72'W 3578		
18:01:23	G 34.87'S	3622	LEDGES F33
160	7.72'W 3580		
18:01:55	G 34.89'S	3625	BIG ROCK
156	7.73'W 3585		
18:02:41	G 34.92'S	3625	SLOPE WITH LEDGE
143	7.73'W 3589		

STATION: OFOS 163-1A (cont. 1)

18:02:53	G 34.92'S	3629	VERY BIG ROCK, F39: 170°
138	7.73'W 3590		
18:03:18	G 34.93'S	3631	ROUGH MORPHOLGY
145	7.73'W 3587		
18:03:45	G 34.94'S	3629	STEEP INCLINE, F45: 160°
141	7.73'W 3590		
18:04:50	G 34.95'S	3630	MORE FORAGING PATTERN
140	7.72'W 3598		
18:05:15	G 34.96'S	3636	SOFT CORAL F49
145	7.72'W 3600		
18:05:45	G 34.96'S	3638	UP AND DOWN ON A METER SCALE
141	7.71'W 3598		
18:06:20	F53: 175∞		
18:06:47	G 34.97'S	3641	ROUNDED ROCK
131	7.69'W 3600		
18:07:59	G 35.00'S	3636	STARFISH, F56: 170°
146	7.68'W 3606		
18:09:07	G 35.02'S	3637	STEEP SLOPE WITH OUTCROP
137	7.69'W 3611		
18:10:20	G 35.05'S	3640	VERY ROUGH MORPHOLOGY
139	7.68'W 3614		
18:11:19	G 35.07'S	3641	SMOOTH AGAIN
149	7.67'W 3624		
18:11:46	G 35.08'S	3642	CLIFF, F66: 175°
148	7.67'W 3627		
18:12:02	G 35.09'S	3640	SEDIMENTED WITH PATTERN
148	7.67'W 3630		
18:12:47	G 35.10'S	3640	SMOOTH
143	7.67'W 3637		
18:12:58	G 35.10'S	3641	CLIFF 2 M
142	7.67'W 3639		
18:13:47	G 35.12'S	3640	
140	7.67'W 3644		
18:14:18	G 35.12'S	3642	STARFISH 2X
144	7.67'W 3649		
18:15:23	G 35.13'S	3645	DIAGONAL TRACK, F75: 170°
130	7.66'W 3656		
18:18:05	G 35.19'S	3651	LOST BOTTOM
147	7.67'W 3673		
18:18:13	G 35.19'S	3656	BACK IN SIGHT
149	7.68'W 3676		
18:18:31	G 35.20'S	3649	STRANGE OBJECT
162	7.68'W 3681		
18:19:09	G 35.21'S	3654	FISH
157	7.68'W 3686		
18:20:12	G 35.23'S	3657	STEEP CLIFF 3 M WITH SINGLE ROCK
151	7.68'W 3694		
18:20:47	G 35.23'S	3667	F82, STRANGE ORGANISM
164	7.67'W 3702		
18:22:12	G 35.28'S	3660	
157	7.67'W 3715		
18:22:26	G 35.28'S	3659	CRINOIDE, F83
167	7.67'W 3719		
18:23:50	G 35.35'S	3663	VERY STEEP CLIFF VERTICAL WITH ROCKS
164	7.69'W 3732		
18:24:20	G 35.37'S	3660	F87: 175°
140	7.69'W 3734		
18:24:35	G 35.38'S	3664	CLIFF CONTINUES
152	7.69'W 3741		
18:24:42	F89: 180∞		
18:25:07	G 35.39'S	3663	CLIFF CONTINUES, F92: 175°
167	7.69'W 3748		
18:25:33	G 35.40'S	3665	CLIFF CONTINUES
160	7.69'W 3753		
18:26:15	G 35.41'S	3655	STILL VERTICAL, F96: 170°
152	7.69'W 3759		
18:26:27	G 35.41'S	3666	BANKING OUTCROPS
155	7.69'W 3759		
18:27:05	G 35.42'S	3658	CLIFF CONTINUES SEDIMENTED
154	7.69'W 3767		

STATION: OFOS 163-1A (cont. 2)

18:27:33	G 35.43'S	3657	REACHED BOTTOM
151	7.69'W 3771		
18:27:43	G 35.43'S	3658	CRAP ESCAPING , F103
159	7.69'W 3773		
18:24:42	F105: 175∞		
18:29:16	G 35.46'S	3659	SINGLE ROCK
161	7.69'W 3774		
18:30:02	G 35.46'S	3664	FEW SMALL ROCKS
171	7.69'W 3775		
18:30:44	G 35.47'S	3667	OUTCROP FACING THE OFOS
166	7.69'W 3777		
18:31:15	G 35.47'S	3667	SLOPE TOWARDS SW
151	7.70'W 3779		
18:31:29	F113: 175∞		
18:31:55	G 35.48'S	3681	
157	7.70'W 3781		
18:34:31	G 35.54'S	3679	ADJUST C 190 SHIP, OFOS MOVES FASTER
155	7.73'W 3791		
18:35:18	G 35.56'S	3682	ROCK OUTCROP
166	7.73'W 3799		
18:35:20	F121: 170∞		
18:35:45	G 35.57'S	3682	ANOTHER OUTCROP
162	7.74'W 3804		
18:35:58	G 35.58'S	3681	VERTICAL LEDGE 2 M
167	7.74'W 3807		
18:37:12	G 35.60'S	3690	
169	7.73'W 3814		
18:38:42	F131: 175∞		
18:39:04	G 35.64'S	3694	SLOPE FACING OFOS
168	7.74'W 3830		
18:39:16	G 35.65'S	3696	INTERSTING PATTERNS
167	7.74'W 3831		
18:39:44	G 35.66'S	3701	STEEP NOSE
156	7.74'W 3836		
18:39:56	G 35.67'S	3702	CLIFF CONTINUES
163	7.74'W 3836		
18:40:42	F140: 180∞		
18:40:46	F142: 190∞		
18:40:53	G 35.69'S	3706	STEEP CLIFF
160	7.74'W 3847		
18:40:58	G 35.69'S	3705	
159	7.74'W 3848		
18:41:51	G 35.70'S	3708	REPEATED STEEP STEPS
174	7.74'W 3857		
18:42:55	G 35.71'S	3714	STILL STEEP
168	7.73'W 3872		
18:43:30	F149: 190∞		
18:44:13	F150: 190∞		
18:45:00	G 35.74'S	3720	SMALL CLIFF
165	7.72'W 3890		
18:45:29	G 35.76'S	3722	
167	7.72'W 3897		
18:46:42	G 35.79'S	3724	STEEP CLIFF
168	7.74'W 3905		
18:47:34	G 35.82'S	3728	
168	7.75'W 3912		
18:48:18	G 35.85'S	3730	CLIFF AGAIN
176	7.76'W 3918		
18:48:38	G 35.86'S	3730	STILL DOWN SLOPE
176	7.77'W 3919		
18:49:35	G 35.89'S	3733	
183	7.78'W 3928		
18:50:06	G 35.91'S	3731	CLIFF
177	7.79'W 3936		
18:50:42	G 35.93'S	3738	CLIFF
184	7.80'W 3940		
18:51:14	G 35.94'S	3734	VERY STEEP CLIFF VERTICAL
175	7.80'W 3943		
18:51:37	G 35.95'S	3736	CRUSTS
174	7.80'W 3948		
18:52:27	F175: 190∞		

STATION: OFOS 163-1A (cont. 3)

18:52:42	G 35.96'S	3733	THINLY BEDDED STONES
170	7.81'W 3962		
18:52:52	F177: 185∞		
18:52:59	OPEN CLAMSHELL		F178: 175°
18:53:13	G 35.97'S	3742	
169	7.81'W 3969		
18:55:09	G 36.03'S	3742	F183
169	7.84'W 3988		
18:56:24	G 36.06'S	3742	
157	7.85'W 3999		
18:57:29	G 36.08'S	3749	CLIFF
164	7.86'W 4007		
18:58:09	F188: 190∞		
18:58:27	G 36.10'S	3749	CLIFF
165	7.85'W 4016		
18:59:11	G 36.11'S	3753	CLIFF AGAIN
181	7.84'W 4024		
18:59:46	F193: 190∞		
19:00:05	G 36.13'S	3755	CLIFF
171	7.84'W 4032		
19:01:16	G 36.15'S	3761	CLIFF UPSLOPE, F197: 180°
170	7.85'W 4042		
19:02:30	G 36.18'S	3761	ROCKY BOTTOM, F202: 190°
174	7.86'W 4044		
19:03:14	G 36.20'S	3763	CLAMS, F207: 180°
162	7.87'W 4043		
19:04:16	G 36.24'S	3765	CLAMS AGAIN
182	7.89'W 4053		
19:04:29	G 36.25'S	3764	ANOTHER NEST
176	7.90'W 4054		
19:04:48	G 36.27'S	3769	CLAM COLONY, F214
181	7.90'W 4058		
19:05:00	G 36.27'S	3771	LOOSE COLONY, F215
182	7.91'W 4060		
19:05:14	F218: 180∞		
19:05:33	G 36.29'S	3774	SOLEMYA
169	7.92'W 4069		
19:05:40	F220: 190∞		
19:05:59	G 36.30'S	3776	CLIFF
178	7.92'W 4069		
19:06:18	G 36.30'S	3777	FISH
168	7.92'W 4069		
19:07:54	G 36.30'S	3778	CLAMS
170	7.90'W 4049		
19:08:31	G 36.31'S	3781	SMALL NEST OF CLAMS
164	7.90'W 4046		
19:09:01	G 36.31'S	3782	NEST
164	7.90'W 4042		
19:09:12	G 36.31'S	3781	VERY ROCKY
302	7.90'W 4038		
19:09:29	G 36.32'S	3780	CLAMS
360	7.90'W 4032		
19:09:44	G 36.32'S	3783	BIG SOLEMYA
29	7.90'W 4032		
19:10:12	G 36.33'S	3787	HUGE FIELD OF CLAMS
164	7.92'W 4029		
19:10:32	F248,F249:	185∞	
19:10:51	G 36.34'S	3788	BIG NEST, F253: 180°
58	7.93'W 4030		
19:11:03	G 36.34'S	3791	VENTS!!
42	7.94'W 4027		
19:11:13	G 36.34'S	3792	ROCKY BOTTOM
41	7.94'W 4026		
19:11:54	G 36.36'S	3791	CLAMS
121	7.96'W 4020		
19:12:02	G 36.36'S	3792	SINGLE CLAMS
122	7.96'W 4022		
19:12:20	G 36.37'S	3793	CLIFF
123	7.97'W 4020		
19:12:33	F261: 190∞		

STATION: OFOS 163-1A (cont. 4)

19:13:55	G 36.41'S	3801	SINGLE ROCKS
118	7.97'W 4016		
19:15:28	G 36.41'S	3798	CLIFF
131	7.94'W 4016		
19:16:20	G 36.40'S	3798	
130	7.92'W 4020		
19:16:50	G 36.40'S	3798	STEEP CLIFF DOWNSLOPE
135	7.92'W 4024		
19:17:49	G 36.40'S	3798	CLIFF
138	7.93'W 4038		
19:19:04	G 36.42'S	3801	
137	7.94'W 4045		
19:19:45	G 36.43'S	3803	
141	7.94'W 4043		
19:21:06	G 36.46'S	3803	SMALL CLIFF
111	7.94'W 4038		
19:22:07	G 36.48'S	3802	CLIFF
110	7.95'W 4029		
19:22:27	G 36.49'S	3804	DOWNSLOPE
122	7.95'W 4031		
19:24:33	G 36.49'S	3809	SINGLE ROCK
127	7.96'W 4026		
19:25:10	G 36.48'S	3810	SINLE ROCK
98	7.95'W 4024		
19:25:25	G 36.47'S	3812	LITTLE UPSLOPE
111	7.95'W 4023		
19:27:29	G 36.50'S	3810	
123	7.97'W 4013		
19:28:25	G 36.54'S	3814	DOWNSLOPE
124	7.97'W 4007		
19:29:24	G 36.57'S	3822	CLAM
131	7.98'W 4004		
19:29:44	A*99.99'S	3820	ROCKS
123	99.99'W 4006		
19:31:48	G 36.60'S	3826	SINGLE ROCK
132	7.99'W 4013		
19:32:15	G 36.60'S	3830	SMALL NEST
127	7.99'W 4011		
19:34:02	G 36.63'S	3833	CLIFF
129	7.98'W 4012		
19:34:33	G 36.63'S	3833	
128	7.98'W 4011		
19:35:49	G 36.64'S	3835	
127	7.99'W 4008		
19:37:23	G 36.62'S	3842	
136	8.01'W 4012		
19:39:05	G 36.63'S	3839	
124	8.01'W 4012		
19:40:45	G 36.66'S	3843	NON/EXITING SEDIMENTED SURFACE
122	8.00'W 4013		
19:40:59	G 36.67'S	3837	FORAGING PATTERN CONTINUE
128	8.00'W 4013		
19:41:20	G 36.68'S	3838	ANGULAR ROCK
123	7.99'W 4014		
19:41:57	G 36.69'S	3842	
146	7.99'W 4013		
19:45:48	G 36.73'S	3845	SLIGHTLY UP
133	8.00'W 4006		
19:48:16	G 36.82'S	3847	WHITE SOMETHING
142	8.01'W 4001		
19:48:53	G 36.83'S	3849	RUBBLY SURFACE RUGH
140	8.01'W 4000		
19:50:47	G 36.84'S	3851	
126	8.03'W 4001		
19:52:09	G 36.84'S	3854	
145	8.05'W 4002		
19:52:47	G 36.84'S	3855	NON/EXCITING HARD BOTTOM
155	8.06'W 4002		
19:53:03	G 36.84'S	3852	HUGE ROCK OUTCROP
153	8.06'W 4000		

STATION: OFOS 163-1A (cont. 5)

19:55:28	G 36.88'S	3852	FISH
136	8.08'W 4007		
19:55:54	G 36.89'S	3854	ANGULAR OUTCROP
149	8.07'W 4009		
19:59:26	G 36.97'S	3856	THINLY SEDIMENTED HARD BOTTOM
144	8.06'W 4033		
19:59:44	G 36.98'S	3858	SMALL CLIFF
151	8.06'W 4034		
20:00:52	G 37.01'S	3853	WHITE ORGMS
137	8.06'W 4042		
20:01:04	G 37.01'S	3851	
139	8.06'W 4043		
20:02:53	G 37.02'S	3858	STILL NO SOFT SEDIMENT COVER
137	8.06'W 4047		
20:05:35	G 37.00'S	3858	NOTIFY BRIDGE C CHANGE 200 INCR. 0.8KN
49	8.12'W 4033		
20:08:06	G 37.09'S	3861	
161	8.09'W 4036		
20:11:31	G 37.18'S	3861	SMALL LEDGE
163	8.11'W 4078		
20:11:40	G 37.19'S	3862	BIG LEDGE
167	8.12'W 4078		
20:12:32	G 37.21'S	3870	SPIDER CRAB
168	8.12'W 4083		
20:12:45	G 37.21'S	3866	SMALL LEDGE
159	8.12'W 4083		
20:12:56	G 37.22'S	3866	SINGLETUBE
165	8.13'W 4086		
20:15:11	G 37.24'S	3872	SMALL LEDGE
176	8.17'W 4103		
20:19:48	G 37.32'S	3888	FISH, F364
177	8.22'W 4144		
20:20:13	G 37.32'S	3891	BLACK UNIDENTIFIED OBJECT
172	8.22'W 4143		
20:20:38	G 37.33'S	3890	
170	8.23'W 4147		
20:20:49	G 37.33'S	3891	ANOTHER ONE
173	8.24'W 4147		
20:21:26	G 37.35'S	3890	FISH, F366
163	8.25'W 4152		
20:22:04	G 37.37'S	3891	SMALL OUTROP
170	8.25'W 4159		
20:23:29	G 37.40'S	3896	GOOD FORAGING PATTERN
181	8.26'W 4169		
20:27:32	G 37.51'S	3910	
168	8.29'W 4197		
20:30:56	G 37.54'S	3918	TOF
159	8.34'W 4124		
20:31:03	G 37.54'S	3913	END
153	8.34'W 4116		

STATION: OFOS 163-1B

Datum: 23-MAR-1992 23:43:36
Position 9° 34.98' S 80°6.00' W
Tiefe 3337 m

Zeit (UTC) Kurs	Position (Schiff)	Tiefe Seil	Kommentar
23:43:37	G 34.98'S	3337	
134	6.00'W	*3004	
23:43:39	G 34.98'S	3337	
134	6.00'W	*3005	
23:48:29	G 35.00'S	3339	TON
103	6.04'W	*3164	
23:53:22	G 35.04'S	3338	
122	6.03'W	*3336	
23:53:46	G 35.05'S	3339	BOTTOM IN SIGHT
125	6.02'W	*3344	
23:54:25	G 35.07'S	3335	
134	6.00'W	*334	
23:55:09	G 35.09'S	3335	SOFT SEDIMENT WITH FORAGING PATTERN
173	5.99'W	*3350	
23:57:54	G 35.15'S	3336	SOFT SEDIMENT COVER
216	6.03'W	*3355	
00:00:05	G 35.14'S	3346	FISH, F378
179	6.09'W	*3362	
00:01:53	G 35.17'S	3344	NOT MANY ORANISMS
166	6.13'W	*3381	
00:03:33	G 35.24'S	3345	SLOWLY INCREASING DEPTH
178	6.11'W	*3391	
00:03:58	G 35.25'S	3344	MOST UNEXCITING SURFACE
183	6.10'W	*3393	
00:07:34	G 35.32'S	3358	SLIGHTLY DIPPING SLOPE
181	6.16'W	*3417	
00:09:43	G 35.37'S	3364	SCENE UNCHANGED
171	6.17'W	*3434	
00:11:19	G 35.43'S	3374	STARFISH
185	6.17'W	*3441	
00:13:51	G 35.51'S	3390	CONTINUE GENTLE DOWNSLOPE
182	6.19'W	*3463	
00:16:45	G 35.54'S	3408	SLIGHTLY STEEPER SLOPE
185	6.23'W	*3481	
00:18:17	G 35.57'S	3419	SMOOTH SURFACE NO ROCKS OR RUBBLE
187	6.25'W	*3487	
00:22:27	G 35.70'S	3442	
179	6.27'W	*3524	
00:23:06	G 35.72'S	3450	
190	6.27'W	*3530	
00:24:43	G 35.76'S	3453	SEACUCS AND STARFISH, F 415
187	6.29'W	*3545	
00:27:08	G 35.81'S	3463	GOOD FEEDING PATTERN
199	6.32'W	*3567	
00:31:27	G 35.91'S	3474	FLAT SURFACE TO GENTLY DIPPING SLOPE
196	6.38'W	*3598	
00:33:41	G 35.95'S	3480	
209	6.42'W	*3619	
00:34:22	G 35.97'S	3485	SPOTTY SEDIMENT SURFACE
198	6.43'W	*3630	
00:36:15	G 36.01'S	3495	SLOPE IS INCREASING
186	6.46'W	*3663	
00:40:20	G 36.15'S	3512	SCENE UNCHANGED
185	6.51'W	*3718	
00:41:34	G 36.17'S	3517	
177	6.52'W	*3731	
00:42:20	G 36.18'S	3519	NETWORK OF FEEDING PATTERN
181	6.52'W	*3740	
00:47:36	G 36.31'S	3536	SCENE UNCHANGED
185	6.59'W	*3796	

STATION: OFOS 163-1B (cont. 1)

00:47:41	G 36.31'S	3536	VERY LONG FEEDING PATTERN
188	6.59'W	*3796	
00:48:18	G 36.33'S	3537	CROSSING PATTERN
175	6.60'W	*3801	
00:49:55	G 36.37'S	3545	NAZCA TRACES
181	6.61'W	*3811	
00:53:07	G 36.41'S	3556	RUBBLY SURFACE
184	6.64'W	*3840	
00:55:47	G 36.47'S	3567	FIRST OUTCROP
184	6.66'W	*3867	
00:56:13	G 36.48'S	3564	GALATHEA CRABS
188	6.66'W	*3873	
00:59:08	G 36.57'S	3586	F 472
187	6.69'W	*3904	
01:02:14	G 36.62'S	3603	SESSIL ORGANISM LARGE
178	6.71'W	*3940	
01:03:36	G 36.64'S	3608	SEACUC, F 479
182	6.71'W	*3960	
01:06:27	G 36.71'S	3624	TOFF
186	6.75'W	*3991	
01:06:41	G 36.72'S	3621	TON
197	6.75'W	*3992	
01:08:46	G 36.79'S	3634	OUTCROP ROCK LEDGE
186	6.80'W	*4004	
01:12:48	G 36.88'S	3661	REDUCE SPEED TO BELOW 1 KN
200	6.83'W	*4035	
01:13:11	G 36.89'S	3663	PROBLEM WITH FLASH FOR CAMERA
188	6.83'W	*4040	
01:16:31	G 36.92'S	3686	NO MORE PHOTOS
200	6.86'W	*4054	
01:21:07	G 36.94'S	3712	BORING
195	6.92'W	*4054	
01:23:19	G 37.00'S	3721	
186	6.95'W	*4071	
01:25:14	G 37.07'S	3730	
168	6.97'W	*4083	
01:26:37	G 37.11'S	3733	
198	6.99'W	*4081	
01:27:17	G 37.12'S	3737	
212	7.00'W	*4075	
01:27:47	G 37.12'S	3735	VERY BORING
207	7.00'W	*4071	
01:29:43	G 37.04'S	3744	SCENE UNCHANGED
134	6.97'W	*4059	
01:36:05	F 37.13'S	3761	MORE FREQUENT RADIAL FEEDING PATTERN
169	6.90'W	*4055	
01:36:18	F 37.14'S	3763	
167	6.90'W	*4055	
01:36:46	F 37.15'S	3764	FLUFF LAYER INCREASES
165	6.90'W	*4054	
01:37:07	F 37.15'S	3765	
161	6.90'W	*4055	
01:43:12	F 37.24'S	3789	
168	6.89'W	*4079	
01:45:18	F 37.27'S	3795	
191	6.89'W	*4084	
01:48:13	F 37.32'S	3816	
188	6.90'W	*4101	
01:50:42	G 37.47'S	3821	
179	7.13'W	*4111	
01:53:47	G 37.56'S	3849	DENSE HOLO TRACES
202	7.19'W	*4127	
01:55:37	G 37.60'S	3838	
205	7.22'W	*4138	
01:56:37	G 37.62'S	3841	
192	7.23'W	*4146	
01:59:46	G 37.71'S	3850	
178	7.26'W	*4177	
02:02:19	G 37.76'S	3860	
179	7.28'W	*4178	

STATION: OFOS 163-1B (cont. 2)

02:02:23	G 37.76'S	3860	
184	7.28'W	*4179	
02:05:50	G 37.79'S	3873	
216	7.33'W	*4175	
02:07:15	G 37.81'S	3882	DOWN
183	7.35'W	*4189	
02:07:48	G 37.82'S	3880	
176	7.35'W	*4195	
02:07:58	G 37.82'S	3879	DOWN
178	7.35'W	*4198	
02:08:23	G 37.83'S	3882	
172	7.34'W	*4204	
02:09:21	G 37.84'S	3887	
178	7.34'W	*4213	
02:10:26	G 37.86'S	3892	
182	7.34'W	*4226	
02:10:59	G 37.87'S	3891	FLAT
191	7.35'W	*4229	
02:13:30	G 37.93'S	3904	BORING
193	7.39'W	*4257	
02:19:06	G 38.05'S	3919	
183	7.43'W	*4308	
02:20:57	G 38.09'S	3925	
183	7.46'W	*4314	
02:22:24	G 38.12'S	3933	
194	7.49'W	*4318	
02:25:49	G 38.18'S	3943	
169	7.51'W	*4342	
02:27:55	G 38.23'S	3956	
187	7.50'W	*4354	
02:29:36	G 38.27'S	3963	
202	7.53'W	*4354	
02:31:28	G 38.29'S	3971	NO COMMENT
209	7.57'W	*4355	
02:34:09	G 38.34'S	3979	
182	7.59'W	*4363	
02:36:17	G 38.39'S	3986	
182	7.61'W	*4384	
02:39:19	G 38.45'S	4001	
190	7.65'W	*4413	
02:40:27	G 38.47'S	4004	
200	7.67'W	*4424	
02:43:18	G 38.51'S	4016	
187	7.70'W	*4452	
02:44:38	G 38.53'S	4017	FISH BIG
188	7.71'W	*4456	
02:46:16	G 38.57'S	4022	
190	7.72'W	*4454	
02:46:29	G 38.57'S	4023	BS
189	7.73'W	*4455	
02:49:05	G 38.60'S	4031	
175	7.74'W	*4472	
02:51:04	G 38.63'S	4032	STRANGE WHITE OBJECTS
155	7.75'W	*4486	
02:53:43	G 38.70'S	4042	
164	7.75'W	*4486	
02:55:15	G 38.73'S	4046	TOFF
158	7.74'W	*4491	
02:56:06	G 38.76'S	4049	END
154	7.74'W	*4476	

STATION: OFOS 166-2

Datum: 27-MAR-1992 15:00:23
Position 9° 0.13' S 80°28.21' W
Tiefe 3529 m

Zeit (UTC) Kurs	Position (Schiff)	Tiefe Seil	Kommentar
15:00:25	G 0.13'S	3529	
231	28.21'W	*9952	
15:46:00	G 0.13'S	3453	
172	27.95'W	*1600	
16:06:24	G 0.26'S	3484	HEAVING DUE TO WINCH PROBLEMS
145	27.90'W	*1935	
16:51:51	G 0.48'S	3529	
149	27.73'W	*310	
17:05:18	G 0.57'S	3562	END
170	27.70'W	*9915	

STATION: OFOS 166-4

Datum: 28-MAR-1992 12:50:04
Position 9° 0.59' S 80°27.99' W
Tiefe 3637 m

Zeit (UTC) Kurs	Position (Schiff)	Tiefe Seil	Kommentar
14:17:34	G 0.45'S	3546	
215	27.83'W	3284	
14:25:17	G 0.51'S	3576	
196	27.85'W	3508	
14:25:20	G 0.51'S	3578	TON
196	27.85'W	3510	
14:25:27	G 0.51'S	3578	BOTTOM IN SIGHT
194	27.85'W	3512	
14:25:56	G 0.52'S	3583	START TRANSECT 145 DEGR. 0.8 KN
181	27.85'W	3519	
14:26:42	G 0.52'S	3583	
155	27.84'W	3521	
14:27:50	G 0.51'S	3580	STRONG SHIP MOVEMENT
165	27.83'W	3522	
14:32:27	G 0.60'S	3592	
138	27.80'W	3544	
14:32:50	G 0.60'S	3593	REACHED STEADY COURSE
138	27.80'W	3545	
14:34:31	G 0.59'S	3591	SOFT BOTTOM FEW ORGANISMS
139	27.77'W	3550	
14:37:09	G 0.59'S	3592	DARK SPOT, F 15, F 16
137	27.74'W	3558	
14:41:30	G 0.68'S	3599	
142	27.72'W	3573	
14:42:24	G 0.68'S	3599	
149	27.71'W	3575	
14:44:48	G 0.69'S	3601	BORING SURFACE
146	27.68'W	3581	
14:46:10	G 0.71'S	3602	
142	27.67'W	3585	
14:48:27	G 0.74'S	3606	
149	27.65'W	3591	
14:49:45	G 0.75'S	3609	CUCS, F 31
139	27.62'W	3593	
14:53:08	G 0.80'S	3619	
156	27.61'W	3599	
14:54:11	G 0.82'S	3629	
170	27.61'W	3601	
14:55:35	G 0.85'S	3626	FISH, F 44
142	27.60'W	3606	
14:55:53	G 0.85'S	3629	
149	27.60'W	3606	
14:58:31	G 0.85'S	3634	
154	27.59'W	3613	
15:03:30	G 0.91'S	3645	
137	27.56'W	3623	
15:03:37	G 0.91'S	3645	FISH, F 53
133	27.56'W	3622	
15:04:55	G 0.92'S	3652	
118	27.56'W	3617	
15:08:45	G 0.97'S	3657	
132	27.54'W	3619	
15:12:45	G 1.02'S	3668	
149	27.50'W	3628	
15:17:36	G 1.08'S	3687	
119	27.47'W	3645	
15:21:26	G 1.13'S	3708	
138	27.43'W	3651	
15:21:43	G 1.13'S	3705	F 74, UNKNOWN OBJECTS
139	27.43'W	3653	

STATION: OFOS 166-4 (cont. 1)

15:22:23	G 1.13'S	3707	
127	27.43'W	3653	
15:27:11	G 1.19'S	3716	
145	27.35'W	3669	
15:37:15	G 1.32'S	3695	
133	27.27'W	3748	
15:41:34	G 1.36'S	3688	POSSIBLE CLAMS
187	27.24'W	3773	
15:42:59	G 1.38'S	3692	4 CUCS
173	27.23'W	3777	
15:49:31	G 1.50'S	3713	CUC POPULATION INCREASES
197	27.25'W	3800	
15:59:59	G 1.54'S	3730	
179	27.28'W	3788	
16:08:04	G 1.69'S	3751	
161	27.21'W	3808	
16:19:29	G 1.83'S	3753	HEAVING START
172	27.17'W	3773	
16:20:37	G 1.84'S	3752	PHOTO 225
159	27.18'W	3747	
16:20:57	G 1.85'S	3753	STOP
163	27.18'W	3739	

STATION: OFOS 169-1

Datum: 30-MAR-1992 12:22:03
Position 10° 15.38' S 79° 58.07' W
Tiefe 5193 m

Zeit (UTC) Kurs	Position (Schiff)	Tiefe Seil	Kommentar
12:25:04	G 15.38'S	5193	
143	58.07'W	30	
12:52:48	G 15.52'S	5194	
77	58.03'W	1140	
13:31:36	G 15.43'S	5178	
76	57.89'W	2801	
13:47:00	G 15.47'S	5175	
109	57.88'W	3480	
14:08:36	G 15.46'S	5186	
59	57.93'W	4452	
14:28:59	G 15.46'S	5182	
64	57.90'W	5000	
14:36:58	G 15.43'S	5182	
289	57.95'W	5215	
14:37:54	G 15.43'S	5183	BOTTOM TOUCH DOWN
213	57.96'W	5228	
14:38:28	G 15.44'S	5177	
224	57.97'W	5229	
14:39:12	G 15.46'S	5182	HEAVILY SEDIMENTED SMOOTH SURFACE
198	57.97'W	5227	
14:40:16	G 15.48'S	5184	TON
224	57.98'W	5228	
14:42:36	G 15.50'S	5193	STILL NOT MOVING
229	58.02'W	5226	
14:45:34	G 15.52'S	5206	SLOWLY GETTING UNDERWAY 212°
218	58.06'W	5231	
14:47:53	G 15.56'S	5217	HIGH ABUNDANCE OF CRUSTACEANS FEW CUCS
218	58.13'W	5236	
14:52:06	G 15.59'S	5228	
239	58.20'W	5245	
14:56:18	G 15.61'S	5248	FULLY UNDERWAY AT 212°
214	58.29'W	5260	
14:57:33	G 15.62'S	5262	FEW BURROWS SOFT SEDIMENT
231	58.34'W	5265	
15:04:56	G 15.75'S	5315	STILL MANY PARTICLES, IN FACT FLUX NEVER
188	58.44'W	5309	DIMINISHED ALL THE WAY DOWN
15:07:27	G 15.81'S	5332	
219	58.49'W	5325	
15:12:48	G 15.85'S	5393	NOTHING
210	58.61'W	5359	
15:14:11	G 15.87'S	5414	MORE OF THE SAME
212	58.64'W	5372	
15:18:17	G 15.93'S	5481	
222	58.72'W	5412	
15:20:47	G 15.89'S	5509	STILL SOFT SEDIMENT
230	58.73'W	5427	
15:22:52	G 15.93'S	5512	
245	58.83'W	5439	
15:24:33	G 15.99'S	5557	ANIMAL BURROWS
268	58.92'W	5446	
15:25:50	G 15.99'S	5581	
327	58.95'W	5450	
15:31:13	G 15.86'S	5585	
71	58.89'W	5429	
15:32:52	G 15.83'S	5596	
34	58.89'W	542	
15:33:52	G 15.81'S	5599	ANIMAL TRACKS, SOFT SEDIMENT
168	58.87'W	5434	
15:35:01	G 15.89'S	5612	
204	59.00'W	5438	

STATION: OFOS 169-1 (cont. 1)

15:36:20	G 15.92'S	5629	LOST VIEW OF BOTTOM
204	59.02'W	5454	
15:37:23	G 15.95'S	5668	
209	59.05'W	5475	
15:37:56	G 15.96'S	5654	VIEW OF BOTTOM AGAIN
208	59.07'W	5488	
15:38:04	G 15.96'S	5681	
208	59.07'W	5491	
15:40:39	G 16.01'S	5713	UNKNOWN CONCRETIONS ON SURFACE
197	59.15'W	5540	
15:41:19	G 16.02'S	5717	SPIDER CRAB, F150
197	59.17'W	5551	
15:43:35	G 16.07'S	5755	
196	59.20'W	5584	
15:46:01	G 16.14'S	5803	FISH
196	59.26'W	5633	
15:49:36	G 16.22'S	5875	
210	59.35'W	5691	
15:50:11	G 16.23'S	5887	
210	59.36'W	5699	
15:52:44	G 16.28'S	5918	
205	59.40'W	5742	
15:57:08	G 16.37'S	5983	
213	59.52'W	5822	
15:58:53	G 16.39'S	6029	
218	59.55'W	5845	
16:00:30	G 16.41'S	6030	VIEW UNCHANGED
232	59.59'W	5870	
16:00:42	G 16.41'S	6104	
229	59.60'W	5873	
16:02:24	G 16.43'S	6049	
198	59.65'W	5903	
16:03:49	G 16.46'S	6055	
210	59.67'W	5924	
16:06 00	G 16.49'S	6072	
215	59.70'W	5953	
16:07 09	G 16.50'S	6095	
231	59.73'W	5970	
16:08 08	G 16.51'S	6087	HOLOTHURIANS
223	59.75'W	5984	
16:08 47	G 16.51'S	6122	SEASTAR, F245
215	59.77'W	5994	
16:10 33	G 16.54'S	6138	
207	59.81'W	6025	
16:12 05	G 16.56'S	6118	STILL SOFT SEDIMENT
207	59.85'W	6058	
16:12:14	G 16.56'S	6119	
206	59.85'W	6061	
16:13:09	G 16.58'S	6101	
208	59.87'W	6078	
16:15:08	G 16.62'S	6144	
211	59.92'W	6125	
16:17:06	G 16.66'S	6163	
226	59.96'W	6169	
Posn.	10=	16.67'S	
80=	0.01'W		
16:19:09	G 16.67'S	6180	
235	0.01'W	6201	
16:20:56	G 16.67'S	6181	
225	0.06'W	6224	
16:21:56	G 16.68'S	6196	
217	0.09'W	6243	
16:23:05	G 16.69'S	6184	
213	0.11'W	6265	
16:24.53	G 16.73'S	6197	SOFT SEDIMENT WITH HOLOTHURIANS
216	0.14'W	6293	
16.25:58	G 16.75'S	6227	STILL DOWNSLOPE
217	0.17'W	6314	
16.26:29	G 16.75'S	6211	
222	0.18'W	6323	

STATION: OFOS 169-1 (cont. 2)

16:28:35	G 16.78'S	6224	
208	0.23'W	6362	
16:29:12	G 16.78'S	6224	LOST VIEW OF BOTTOM
207	0.24'W	6375	
16:30:27	G 16.81'S	6223	
200	0.26'W	6401	
16:31:03	G 16.83'S	6227	VIEW OF BOTOOM AGAIN
195	0.27'W	6421	
16:31:17	G 16.84'S	6225	
203	0.27'W	6428	
16:31:40	G 16.84'S	6233	STILL SOFT SEDIMENT, NO GEOLOGICAL FEATURES
218	0.28'W	6435	
16:33:43	G 16.86'S	6232	
243	0.34'W	6466	
16:34:50	G 16.86'S	6233	
216	0.37'W	6482	
16:35:56	G 16.87'S	6236	
214	0.39'W	6499	
16:36:52	G 16.88'S	6235	
224	0.41'W	6515	
16:38:52	G 16.91'S	6262	
224	0.46'W	6556	
16:39:50	G 16.92'S	6243	
217	0.48'W	6578	
16:40:41	G 16.94'S	6243	
212	0.50'W	6598	
16:41:52	G 16.96'S	6246	
215	0.52'W	6623	
16:42:52	G 16.97'S	6247	
221	0.55'W	6643	
16:43:50	G 16.98'S	6248	HOLOTHURIAN, F 407
220	0.57'W	6664	
16:44:07	G 16.98'S	6250	
220	0.57'W	6669	
16:45:22	G 17.00'S	6256	
221	0.59'W	6692	
16:46:46	G 17.02'S	6253	START HEAVING / AB GEHT DIE LUCY
224	0.62'W	6693	
16:47:20	G 17.02'S	6256	TOF
225	0.63'W	6681	

STATION: OFOS 175-1

Datum: 6-APR-1992 11:00:50
Position 5°34.97' S 81° 39.01' W
Tiefe 3120 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
11:10:51	°S°34.92'S	3122	
26	38.84'W	420	
12:12:41	A 35.39'S	3040	
144	38.95'W	2830	
12:12:49	A 35.39'S	3041	
176	38.95'W	2834	
12:15:15	A 35.35'S	3045	TON
184	40.51'W	2926	
12:18:19	A 33.06'S	3067	BOTTOM IN SIGHT
172	37.18'W	3018	
12:20:09	A 34.21'S	3083	
148	37.45'W	3020	
12:20:50	A 34.21'S	3086	GETTING UNDERWAY 170°
164	37.46'W	3022	
12:21:06	A 34.21'S	3093	FLAT BOTTOM
195	37.46'W	3021	
12:21:39	A 32.11'S	3113	FISH, F 6
159	38.41'W	3022	
12:24:18	A 33.67'S	3132	SEEIGELS
187	37.67'W	3027	
12:26:14	A 38.10'S	3173	FISH
227	39.00'W	3025	
12:29:32	A 32.55'S	3203	
192	39.40'W	3018	
12:32:10	A 33.88'S	3248	
243	40.74'W	3015	
12:35:31	A 37.46'S	3279	
158	41.97'W	3024	
12:36:51	A 38.55'S	3307	GOING DOWN
159	42.10'W	3035	
12:37:38	A 36.51'S	3326	UPPER END OF SLUMP SCAR
168	38.83'W	3058	
12:38:08	A 35.69'S	3329	STEEP VERTICAL CLIFFS
119	38.76'W	3066	
12:38:27	A 35.69'S	3334	OUTCROPS
167	38.76'W	3071	
12:39:50	A 37.39'S	3351	PLENTY OF FISH
162	41.37'W	3098	
12:40:18	A 35.71'S	3354	VERTICAL WALLS
188	38.76'W	3108	
12:41:59	A 35.80'S	3375	E
150	38.58'W	3123	
12:42:08	A 35.80'S	3376	END OF FIRST LEDGE
°360	38.58'W	3126	
12:43:33	A 38.76'S	3403	BEGINN OF SECOND STEEP SECTION
194	40.79'W	3160	
12:44:18	A 37.60'S	3408	FISH, F 54
204	41.44'W	3168	
12:44:28	A 37.60'S	3410	BOULDERS
227	41.44'W	3172	
12:45:44	A 37.02'S	3431	STILL VERTICAL CLIFF
233	39.70'W	3196	
12:46:32	A 36.77'S	3435	RUBBLE OF LARGE BOULDERS
175	39.23'W	3208	
12:48:20	A 36.79'S	3457	GRAND CANYON TERRIT.
124	42.55'W	3218	
12:48:42	A 37.93'S	3464	
199	40.13'W	3220	
12:49:39	A 36.57'S	3473	DIFFERENT LITHOLOGY SHARP FRAGMENTS
193	38.94'W	3228	

STATION: OFOS 175-1 (cont. 1)

12:50:00	A 36.57'S	3480	
177	38.94'W	3234	
12:51:40	A 35.68'S	3482	DIFFERENT SETS OF JOINTS
202	40.12'W	3252	
12:53:12	A 35.90'S	3503	CLAM NEST
121	40.07'W	3283	
12:55:01	A 37.20'S	3519	BIG FIELD
208	39.10'W	3320	
12:55:12	A 37.20'S	3520	CLUSTER OF CLAMS CALYPTOGENAS
194	39.10'W	3321	
12:55:47	A 37.39'S	3533	OVERHANGSS WITH BACTERIAL VEILS
214	40.28'W	3335	
12:56:52	A 37.29'S	3538	LARGER BEDDING ON METER SCALE
228	40.69'W	3354	
12:57:15	A 37.29'S	3541	COLONY
196	40.69'W	3363	
12:57:43	A 37.29'S	3564	RUBBLE
160	40.69'W	3367	
12:58:00	A 37.29'S	3554	BIG NEST
133	40.69'W	3369	
12:58:22	A 37.29'S	3556	CLAMS FIELD
174	40.69'W	3369	
13:00:21	A 37.19'S	3577	VERTICAL CLIFF CONTINUES
212	39.92'W	3367	
13:01:56	A 37.55'S	3592	SEDIMENT DUSTING OVER ROCKS STILL VERTICAL
195	39.87'W	3378	
13:04:42	A 37.42'S	3626	END OF CLIFF SEDIMENTED TALUS SLOPE
60	40.29'W	3424	
13:05:05	A 37.42'S	3621	VERTICAL CLIFF CONTINUES
87	40.29'W	3425	
13:06:18	A 36.87'S	3633	SCATTERED CLAMS
175	39.29'W	3448	
13:06:23	A 36.87'S	3634	BIG NEST
166	39.29'W	3450	
13:06:31	A 36.36'S	3627	IN RUBBEL
175	38.71'W	3453	
13:06:38	A 36.36'S	3627	BIGGEST NEST EVER
139	38.71'W	3452	
13:06:58	A 36.19'S	3636	CLAM NEST WITH SERPULIDS
187	39.37'W	3452	
13:08:26	A 36.77'S	3647	VERTICAL CLIFF CONTINUES
145	38.65'W	3462	
13:08:57	A 36.79'S	3646	SINGLE SOLEMYA DISARTICL
137	38.65'W	3468	
13:09:09	A 36.79'S	3655	
133	38.65'W	3469	
13:09:49	A 36.82'S	3661	BOULDERS
135	38.68'W	3474	
13:10:15	A 36.82'S	3662	ANGULAR BOULDERS IN HEAPS
129	38.68'W	3478	
13:11:29	A 36.87'S	3674	BACTERIAL WALL
160	38.71'W	3483	
13:12:29	A 36.74'S	3679	OVERHANG
228	38.67'W	3486	
13:12:45	A 36.77'S	3678	COLONY CALYPS
177	41.05'W	3488	
13:13:01	A 36.77'S	3681	
65	41.05'W	3492	
13:13:23	A 35.71'S	3687	BIG INDIVIDUAL CLAMS
69	39.24'W	3493	
13:19:10	A 36.16'S	3713	BIG NEST ON CLIFF
175	38.67'W	3490	
13:19:23	A 36.16'S	3714	
189	38.67'W	3488	
13:19:28	A 36.16'S	3725	SERPS
74	38.67'W	3489	
13:20:51	A 36.19'S	3734	
123	38.66'W	3491	
13:22:45	A 37.01'S	3740	CHAOTIC DEBRIS WITH SEDIMENT VEIL
184	39.11'W	3522	

STATION: OFOS 175-1 (cont. 2)

13:24:11	A 36.79'S	3750	SCATTERED CLAMS
130	38.49'W	3555	
13:24:33	A 36.78'S	3755	
162	39.00'W	3560	
13:24:39	A 36.78'S	3755	SERPSET AL
116	39.00'W	3561	
13:25:25	A 36.78'S	3761	NESTS
129	39.00'W	3572	
13:26:09	A 36.78'S	3767	BIG FIELD WITH EVERYTHING
144	39.00'W	3580	
13:27:39	A 38.94'S	3771	END OF CLIFF REACHED SEDIMENTED AREA
135	41.12'W	3598	
13:27:51	A 38.94'S	3772	
152	41.12'W	3602	
13:29:34	A 36.64'S	3784	SMOOTHER SURFACE
145	38.61'W	3614	
13:29:46	A 37.62'S	3780	INCLINE CONTINUES BUT NOT AS STEEP
227	39.30'W	3616	
13:32:49	A 36.67'S	3788	OFOS POSITION O.K.
104	38.58'W	3638	
13:33:30	A 36.67'S	3800	ANOTHER CLIFF
114	38.58'W	3645	
13:35:49	A 36.36'S	3812	OFOS POSITION REASONABLE
143	38.71'W	3666	
13:37:47	A 36.38'S	3812	OFOS STILL REASONABLY GOOD
155	38.70'W	3677	
13:39:46	A 36.57'S	3818	BURROWS APPEAR
117	39.17'W	3689	
13:43:02	A 36.82'S	3818	STEEPER AGAIN
86	38.70'W	3712	
13:43:45	A 36.46'S	3821	OFOS POSITION
316	38.68'W	3719	
13:45:59	A 36.48'S	3823	OFOS POST
161	38.68'W	3738	
13:57:19	A 36.58'S	3806	
205	38.63'W	3799	
13:57:37	A 36.58'S	3809	
184	38.63'W	3799	
13:59:48	A 36.79'S	3809	
135	38.67'W	3822	
14:01:15	A 36.62'S	3806	START HIEV FOR 2ND TRACK
155	38.62'W	3837	
14:02:16	A 36.89'S	3811	
156	37.89'W	3808	
14:03:06	A 36.70'S	3819	TOF
141	38.71'W	3757	
14:11:44	A 36.75'S	3816	STOP
223	38.53'W	3229	

STATION: OFOS 175-2

Datum: 6-APR-1992 21:01:16
Position 5° 35.67' S 81°38.50' W
Tiefe 2993 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
21:01:18	A 35.91'S	2993	
45	40.25'W	824	
21:02:55	A 35.62'S	2994	
45	38.48'W	895	
21:06:49	A 35.41'S	2994	
45	38.59'W	1064	
21:11:46	A 35.62'S	2996	
45	38.70'W	1277	
21:16:45	A 35.68'S	2997	
45	38.55'W	1491	
21:37:01	A 35.58'S	2998	
177	38.53'W	2415	
21:46:51	A 35.74'S	2999	WINDENWECHSEL
156	39.86'W	2800	
21:47:00	A 35.61'S	2997	
125	38.50'W	2800	
21:51:09	A 36.12'S	2993	
142	38.91'W	2937	
21:51:28	A 36.12'S	2997	TAPE ON
119	38.91'W	2945	
21:51:34	A 36.11'S	2997	
138	38.94'W	2948	BOTTOM IN SIGHT
142	41.09'W	2992	
21:54:01	A 37.51'S	2986	
153	41.78'W	2998	
21:54:49	A 37.51'S	2992	GETTING UNDERWAY 1 KN., 220°
105	41.78'W	3003	
21:56:33	A 37.51'S	2996	
183	41.78'W	3007	
21:59:01	A 37.51'S	2987	SOFT SEDIMENT COVER MODEST BIOLOGICAL ACTIVITY, F
202	41.78'W	3013	STICK
22:00:51	A 37.51'S	2983	
238	41.78'W	3015	
22:01:50	A 35.50'S	2994	OFOS POSITION O.K.
253	38.43'W	3014	
22:04:36	A 35.66'S	3030	OFOS
259	38.44'W	3013	
22:04:45	A 35.66'S	3029	
211	38.44'W	3012	
22:08:27	A 32.93'S	3107	
229	37.61'W	3015	
22:08:57	A 33.84'S	3135	
222	37.94'W	3015	
22:11:57	A 36.42'S	3181	OFOS TIEFE 3000
223	38.70'W	3016	
22:16:30	A 34.68'S	3265	
220	38.57'W	3007	
22:21:29	A 35.63'S	3309	
185	39.01'W	3002	
22:24:07	A 36.89'S	3349	REACHED EDGE OF PLATEAU
204	39.61'W	3014	
22:24:29	A 35.60'S	3351	IMMEDIATELY VERTICAL CLIFF
166	38.83'W	3022	
22:25:14	A 35.60'S	3363	
°360	38.82'W	3036	
22:27:29	A 35.87'S	3394	THNLY BEDDED LITHOLOGIES
202	38.48'W	3076	
22:27:45	A 35.87'S	3405	OFOS POSITION
168	38.49'W	3080	

STATION: OFOS 175-2 (cont. 1)

22:29:03	A 35.89'S	3421	PLENTY OF FISH AGAIN
196	38.50'W	3108	
22:30:27	A 36.64'S	3452	FISH, F 30
198	38.92'W	3134	
22:30:32	A 36.64'S	3453	STILL VERTICAL WALL
204	38.92'W	3134	
22:33:56	A 36.76'S	3537	MORE MASSIVELY BEDDED MUDSTONES
228	39.14'W	3191	
22:34:57	A 36.75'S	3558	SINGLE DISARTICULATED SOLEMYA
212	39.14'W	3210	
22:37:15	A 36.75'S	3601	CHAOTIC RUBBLE FIELD BOULDERS
221	39.46'W	3241	
22:37:50	A 37.15'S	3612	CLIFF WITH BLOCKY STRUCTURE
226	39.23'W	3247	
22:39:28	A 35.94'S	3638	LARGE CLAM FIELD
224	38.58'W	3269	
22:39:52	A 35.94'S	3648	STILL IN FIELD
234	38.58'W	3272	
22:40:16	A 37.06'S	3650	END OF LEDGE
253	39.33'W	3276	
22:40:27	A 37.06'S	3652	AGAIN VERTUCAL CLIFF
263	39.33'W	3277	
22:40:57	A 35.98'S	3661	OFOS AND CLAM FIELD IN RUBBLE ZONE
257	38.58'W	3286	
22:42:37	A 35.94'S	3679	SCATERED CLAMS
242	38.63'W	3294	
22:43:14	A 35.79'S	3692	BLOCKS AND STRANGE BOLDERS
221	40.19'W	3292	
22:43:56	A 36.65'S	3692	BIG FIELD
269	38.73'W	3295	
22:44:05	A 36.65'S	3694	SERPS; BARITE PAVEMENTS ????
265	38.73'W	3295	
22:44:28	A 36.26'S	3693	
254	38.72'W	3296	
22:44:43	A 36.26'S	3702	OFOS POSITION
221	38.72'W	3296	
22:45:04	A 37.19'S	3707	STEEP CLIFF AT END OF LEDGE
243	39.19'W	3298	
22:45:18	A 37.19'S	3705	NEXT STEP
*360	39.19'W	3303	
22:45:33	A 36.98'S	3706	SMALL FIELDS ON LEDGE
226	39.48'W	3309	
22:45:50	A 36.98'S	3711	RELATIVELY BIG FIELD
242	39.48'W	3316	
22:46:18	A 36.79'S	3720	
231	39.19'W	3324	
22:46:34	A 36.79'S	3728	STILL BIG FIELD
216	39.19'W	3325	
22:46:41	A 36.79'S	3729	END OF LEDGE STEEP CLIFF
231	39.19'W	3324	
22:46:51	A 36.77'S	3738	TERRACES
235	38.97'W	3325	
22:47:07	A 36.77'S	3735	
228	38.97'W	3331	
22:48:00	A 36.84'S	3746	VERTICAL CLIFF WITHOUT BEDDING PLANES
230	38.96'W	3344	
22:48:22	A 36.02'S	3745	OFOS POSITION
219	38.58'W	3350	
22:48:39	A 36.02'S	3763	OCTOPUS
226	38.58'W	3357	
22:49:07	A 36.02'S	3768	FISSILE
198	38.58'W	3367	
22:49:52	A 37.60'S	3767	OFOS POSITION
230	40.16'W	3383	
22:50:14	A 37.60'S	3766	STILL VERTICAL WALLS POORLY BEDDED MUDSTONES
184	40.16'W	3388	
22:50:51	A 36.72'S	3783	
220	38.55'W	3395	
22:52:35	A 36.46'S	3797	STILL GOING STRAIGHT DOWN SAME LITH. UNIT
197	38.75'W	3423	SINGLE SCATTERED CLAMS
22:54:25	A 39.09'S	3810	SINGLE SCATTERED CLAMS

STATION: OFOS 175-2 (cont. 2)

238	39.16'W	3443	
22:54:34	A 39.09'S	3811	RUBBLE FIELD
194	39.16'W	3446	
22:56:36	A 37.05'S	3835	MASSIVE OVERHANGS
160	39.14'W	3458	
22:56:47	A 37.05'S	3842	
162	39.14'W	3462	
22:57:18	A 36.47'S	3830	MODERATELY SIZED FIELD AT BASE OF CLIFF
210	38.77'W	3471	OFOS PERHAPS O.K.
22:58:05	A 36.39'S	3841	GOOD SIZE FIELD TOO STEEP
211	38.80'W	3478	
22:58:53	A 36.39'S	3853	SERP FIELD
194	38.80'W	3483	
22:59:04	A 36.39'S	3849	CLAMS ON BOTTOM
213	39.18'W	3483	
22:59:50	A 36.46'S	3866	MODERATLY SIZED FIELD
192	38.74'W	3489	
23:00:05	A 36.46'S	3863	
188	38.74'W	3490	
23:02:24	A 36.13'S	3883	VERTICAL
198	38.84'W	3520	
23:02:45	A 36.13'S	3889	RUBBLY STRANGE OBJECTS
195	38.84'W	3522	
23:05:03	A 36.13'S	3912	STILL GOING DOWN BUT NOT SO STEEP
205	38.84'W	3553	
23:05:22	A 36.13'S	3907	CLIFF AGAIN
196	38.84'W	3560	
23:06:27	A 36.13'S	3919	OFOS POSITION O.K.
208	38.84'W	3583	
23:08:36	A 36.13'S	3941	VERTICAL CLIFF NO CLAMS
179	38.84'W	3612	
23:09:59	A 36.13'S	3945	AT BASE OF LEDGE SMALL FIELD
216	38.84'W	3640	
23:10:31	A 36.13'S	3944	ANOTHER ONE AT LEDGE TOO SMALL OF OSCAR
206	38.84'W	3657	
23:12:35	A 36.84'S	3966	STILL GOING DOWN
164	39.38'W	3702	
23:14:42	A 36.52'S	3977	STILL GOING DOWN NO CLAMS
159	39.05'W	3735	
23:15:52	A 36.30'S	3982	LEVELLING OFF RUBBLE AND SEDIMENT
225	38.80'W	3758	
23:17:10	A 36.32'S	3988	OFOS POSITION O.K.
177	38.81'W	3775	
23:17:19	A 36.32'S	3996	RUBBLY SURFACE
224	38.81'W	3777	
23:18:26	A 36.33'S	3991	BASE OF SLOPE, SEDIMENTS NO CLAMS
204	38.82'W	3792	
23:19:42	A 36.35'S	3994	OFOS POSITION
192	38.84'W	3805	
23:22:03	A 36.47'S	4015	OFOS POSITION PERHAPS O.K.
189	38.90'W	3825	
23:24:49	A 36.57'S	4022	SEDIMENTED AREA NO EVIDENCE OF VENTING
217	39.14'W	3850	
23:25:50	A 36.41'S	4023	OFOS POSITION O.K.
176	38.87'W	3859	
23:27:23	A 36.45'S	4032	
210	38.86'W	3875	
23:28:09	A 36.49'S	4034	OFOS POSITION
181	38.98'W	3881	
23:28:20	A 36.49'S	4036	
182	38.98'W	3881	
23:30:18	A 36.46'S	4046	OFOS POSITION
179	38.74'W	3898	
23:30:24	A 36.74'S	4047	START HEAVING
217	39.00'W	3896	
23:30:36	A 36.74'S	4046	TAPE OFF
240	39.00'W	3892	
23:30:51	A 36.74'S	4044	FOTOS: 229
175	39.00'W	3886	
23:31:07	A 36.47'S	4046	STOP
222	38.91'W	3880	

STATION: OFOS 178-1

Datum: 9-APR-1992 14:16:00
Position 5°35.59' S 81°39.05' W
Tiefe 3047 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
14:58:28	A 35.62'S	3072	
302	38.86'W	1591	
15:32:08	A 35.97'S	3066	
302	38.54'W	2988	
15:32:10	A 35.97'S	3066	BOTTOM IN SIGHT
302	38.54'W	2987	
15:32:16	A 35.97'S	3066	
302	38.54'W	2986	
15:32:25	A 35.97'S	3065	TAPE IN
302	38.54'W	2986	
15:33:38	A 35.97'S	3066	TAPE ON
302	38.54'W	2988	
15:35:08	A 35.97'S	3068	GETTING UNDERWAY
302	38.54'W	2989	
15:36:06	A 35.97'S	3067	
302	38.54'W	2990	
15:36:21	A 35.97'S	3082	
302	38.54'W	2990	
15:48:40	A 35.67'S	3077	
302	38.64'W	3080	
15:53:02	A 35.69'S	3157	
302	38.41'W	3117	
15:55:34	A 35.67'S	3211	
302	38.59'W	3140	
15:57:26	A 35.63'S	3230	
302	38.92'W	3157	
15:59:07	A 35.68'S	3252	
302	39.18'W	3167	
15:59:45	A 35.68'S	3250	CRAB
302	39.18'W	3172	
16:01:37	A 35.59'S	3248	SMOOTH SEDIMENT SURFACE
302	39.11'W	3181	
16:06:19	A 35.69'S	3219	+8M A-FRAME
302	38.57'W	3222	
16:07:00	A 35.69'S	3215	CRAB
302	38.57'W	3238	
16:07:07	A 35.69'S	3220	SLOWLY DOWNSLOPE
302	38.59'W	3241	
16:07:35	A 35.69'S	3220	ANEMONIESA
302	38.59'W	3255	
16:07:47	A 35.69'S	3223	
302	38.59'W	3261	
16:07:54	A 35.69'S	3221	WHITE STAINING BACTERIAL MATS ?
302	38.59'W	3266	
16:08:13	A 36.49'S	3218	STEEP
302	38.93'W	3271	
16:10:09	A 35.63'S	3243	
302	39.05'W	3306	
16:11:06	A 35.55'S	3247	-8M A-FRAME
302	39.24'W	3333	
16:11:14	A 35.55'S	3249	
302	39.24'W	3337	
16:12:49	A 35.63'S	3259	SMALL CANYON
302	39.06'W	3396	
16:13:04	A 35.63'S	3260	
302	39.06'W	3394	
16:13:19	A 35.63'S	3262	UP
302	39.07'W	3398	
16:13:28	A 35.63'S	3263	
302	39.07'W	3399	

STATION: OFOS 178-1 (cont. 1)

16:13:50	A 35.63'S	3269	
302	39.07'W	3410	
16:14:17	A 35.63'S	3273	STEEP CLIFF RIGHT
302	39.08'W	3412	
16:14:53	A 35.63'S	3270	DOWN
302	39.08'W	3434	
16:15:03	A 35.63'S	3278	
302	39.08'W	3434	
16:15:29	A 35.63'S	3279	WHITE
302	39.09'W	3444	
16:15:34	A 35.63'S	3279	UP
302	39.09'W	3444	
16:15:36	A 35.63'S	3279	
302	39.09'W	3444	
16:15:41	A 35.63'S	3279	
302	39.09'W	3443	
16:16:06	A 35.63'S	3280	
302	39.09'W	3440	
16:16:18	A 35.62'S	3282	
302	39.12'W	3439	
16:16:34	A 35.62'S	3285	STEEP STUFF
302	39.12'W	3441	
16:17:15	A 35.62'S	3282	BIG HOLE
302	39.12'W	3438	
16:18:09	A 35.62'S	3291	RUGGED TOPOGRAPHY
302	39.12'W	3430	
16:18:30	A 35.62'S	3293	BOTTOMLESS PIT
302	39.12'W	3444	
16:18:41	A 35.62'S	3290	
302	39.12'W	3453	
16:19:12	A 36.46'S	3298	INCISED CANYONS
302	39.13'W	3457	
16:20:45	A 36.77'S	3300	HEAVILY MOTTLED AND PITTED SURFACE
302	39.84'W	3461	
16:20:57	A 36.77'S	3302	
302	39.84'W	3458	
16:23:04	A 35.32'S	3297	VERTICAL CLIFFS
302	39.19'W	3475	
16:23:51	A 35.46'S	3298	SMALL OVERHANGS NO BEDDING VISIBLE
302	39.91'W	3479	
16:27:02	A 35.38'S	3303	
302	39.30'W	3520	
16:27:27	A 35.37'S	3307	CLIFFHANGER
302	39.32'W	3531	
16:31:35	A 35.35'S	3332	SOFT SEDIMENT BUT STILL INCLINED SURFACE
302	39.38'W	3581	
16:33:25	A 35.43'S	3339	GOING UP SLIGHTLY
302	39.45'W	3600	
16:37:15	A 36.34'S	3368	APPEARS QUITE SMOOTH BUT STILL STEEP
302	39.13'W	3665	
16:42:09	A 36.19'S	3396	CONTINUE DOWN SLOPE SEDIMENTED SURFACE
302	38.41'W	3729	
16:42:48	A 36.19'S	3397	
302	38.41'W	3733	
16:43:46	A 36.19'S	3397	BRYOZOOEN LOOKING THINGS
302	38.41'W	3725	
16:44:04	A 36.19'S	3400	
302	38.41'W	3726	
16:44:23	A 36.19'S	3396	SEDIMENT MOUND LOOKING THING
302	38.41'W	3730	
16:48:34	A 36.20'S	3402	BIOTURBATED SEDIMENT
302	39.28'W	3801	
16:51:44	A 36.30'S	3415	STILL BIOTURBATED SEDIMENT
302	39.42'W	3850	
16:52:09	A 36.30'S	3415	ATHEPATARIAN CORAL?
302	39.42'W	3856	
16:52:38	A 36.30'S	3422	ANTEPATHARIAN CORAL?
302	39.42'W	3862	
16:53:28	A 36.30'S	3433	ANTEPATH CORAL?
302	39.42'W	3878	

STATION: OFOS 178-1 (cont. 2)

16:54:13	A 36.30'S	3425	2 ANTEPATH. CORALS
302	39.42'W	3890	
16:54:47	A 36.30'S	3433	BIOTURBAT. SEDIMENT PLUS SEASTAR
302	39.42'W	3896	
16:55:04	A 36.30'S	3441	
302	39.42'W	3899	
16:55:41	A 36.30'S	3440	FISH
302	39.42'W	3904	
16:56:12	A 36.30'S	3458	SEASTARS
302	39.42'W	3907	
16:56:18	A 36.30'S	3459	FISH
302	39.42'W	3906	
16:57:17	A 34.94'S	3465	ROCKS
302	40.06'W	3907	
16:57:24	A 34.94'S	3463	ANTEPATHARIAN
302	40.06'W	3908	
16:57:57	A 34.94'S	3482	ROCKS WITH WHITE SPOTS
302	40.06'W	3914	
16:58:52	A 34.94'S	3500	FISH
302	40.06'W	3924	
17:00:09	A 34.94'S	3519	5 SEASTARS
302	40.06'W	3937	
17:00:33	A 34.94'S	3529	4 SEASTARS 3 OF SAME SPECIES
302	40.06'W	3940	
17:00:46	A 34.94'S	3532	SOFT SEDIMENT WITH SEASTARS
302	40.06'W	3942	
17:01:51	A 34.94'S	3551	CLAMS
302	40.06'W	3950	
17:01:54	A 34.94'S	3551	HARD ROCK
302	40.06'W	3951	
17:02:06	A 34.94'S	3556	
302	40.06'W	3952	
17:02:09	A 34.94'S	3556	CLIF
302	40.06'W	3952	
17:02:11	A 34.94'S	3557	CLIFF WITH WHITES SPOTS
302	40.06'W	3950	
17:02:46	A 34.94'S	3583	
302	40.06'W	3944	
17:02:50	A 34.94'S	3583	
302	40.06'W	3943	
17:03:01	A 34.94'S	3572	CLIFF
302	40.06'W	3941	
17:03:51	A 34.94'S	3602	ISOLATED HARD ROCKS
302	40.06'W	3941	
17 04:24	A 34.94'S	3623	ANTEPATHARIAN CORAL
302	40.06'W	3944	
17 04:50	A 34.94'S	3604	ANTEPATHARIAN CORAL PLUS TREE LIKE BIOATA
302	40.06'W	3949	ISOLATED HARD
17:05:20	A 36.22'S	3638	
302	39.50'W	3956	
17:05:59	A 36.22'S	3642	SOFT SEDIMENT PLUS SEASTATRS
302	39.50'W	3957	
17:07:28	A 36.32'S	3684	SOFT SEDIMENT PLUS SEASTARS
302	39.79'W	3977	
17:10:14	A 36.32'S	3707	BIOTURBATED SEDIMENT, SEASTARS
302	39.79'W	4028	
17:11:09	A 36.45'S	3721	DITO
302	38.92'W	4030	
17:11:52	A 36.45'S	3724	DITO
302	38.92'W	4032	
17:13:08	A 36.45'S	3740	DITO
302	38.92'W	4046	
17:13:48	A 36.45'S	3748	ANTEPATHARIAN CORAL
302	38.92'W	4064	
17:13:56	A 36.45'S	3744	ANTEPATHARIAN CORAL
302	38.92'W	4064	
17:15:27	A 36.45'S	3756	ANTEPATHARIAN CORAL
302	38.92'W	4091	
17:16:15	A 36.45'S	3768	BIOTURBATED SEDIMENT
302	38.92'W	4104	

STATION: OFOS 178-1 (cont. 3)

17:17:11	A 36.45'S	3765	ANTEPATHARIAN CORAL
302	38.92'W	4117	
17:19:23	A 36.45'S	3786	ANTEPATHARIAN CORAL
302	38.92'W	4167	
17:19:32	A 36.45'S	3786	3 ANTEPATHARIAN CORALS
302	38.92'W	4168	
17:21:47	A 36.45'S	3807	ANTEPATHARIAN CORAL
302	38.92'W	4207	
17:24:07	A 36.45'S	3830	BIOTURBATED SEDIMENT
302	38.92'W	4229	
17:25:42	A 36.45'S	3857	BIOTURBATED SEDIMENT PLUS SEASTARS
302	38.92'W	4255	
17:28:44	A 36.27'S	3899	STILL THE SAME
302	39.44'W	4304	
17:29:03	A 36.27'S	3921	ANTEPATHARIAN CORAL
302	39.44'W	4311	
17:31:23	A 36.41'S	3944	BIOTURBATED SOFT SEDIMENT
302	38.97'W	4375	
17:31:41	A 36.41'S	3943	FISH
302	38.97'W	4381	
17:32:12	A 36.41'S	3956	BIOTURBATED SOFT SEDIMENT
302	38.97'W	4393	
17:35:25	A 36.54'S	3992	CRINOIDS
302	38.69'W	4459	
17:37:34	A 36.14'S	4015	BIOTURBATED SOFT SEDIMENT
302	39.08'W	4493	
17:39:04	A 36.14'S	4043	FISH
302	39.08'W	4507	
17:39:23	A 36.14'S	4065	CRINOID
302	39.08'W	4507	
17:40:01	A 36.14'S	4056	CRINOID
302	39.08'W	4507	
17:40:28	A 36.14'S	4069	CRINOID
302	39.08'W	4506	
17:40:53	A 36.14'S	4079	CRINOID, SUPER!!!!
302	39.08'W	4507	
17:41:25	A 36.14'S	4084	CRINOID
302	39.08'W	4510	
17:42:00	A 36.14'S	4092	UPWARDS
302	39.08'W	4503	
17:43:01	A 36.14'S	4097	
302	39.08'W	4488	
17:43:26	A 36.14'S	4120	BENTHIC ORGANISM
302	39.08'W	4490	
17:44:16	A 36.14'S	4108	
302	39.08'W	4496	
17:44:37	A 36.14'S	4121	SWIMMING ORGANISM
302	39.08'W	4499	
17:45:00	A 36.14'S	4119	SOME HOLOTHURIA
302	39.08'W	4503	
17:45:33	A 36.14'S	4126	BENTHIC ORGANISMS
302	39.08'W	4506	
17:45:55	A 36.14'S	4134	STARFISHS AND HOLOTHURIA
302	39.08'W	4510	
17:46:42	A 36.14'S	4135	STILL SOFT SEDIMENT
302	39.08'W	4513	
17:47:05	A 36.14'S	4139	BENTHIC ORGANISM
302	39.08'W	4515	
17:48:18	A 36.14'S	4140	
302	39.08'W	4522	
17:48:33	A 36.14'S	4145	BENTHIC ORGANISMS
302	39.08'W	4524	
17:49:15	A 36.14'S	4141	
302	39.08'W	4533	
17:49:44	A 36.14'S	4147	FISH
302	39.08'W	4539	
17:49:57	A 36.14'S	4151	CRAB
302	39.08'W	4540	
17:50:40	A 36.14'S	4150	UPWARDS
302	39.08'W	4538	

STATION: OFOS 178-1 (cont. 4)

17:51:59	A 36.14'S	4154		
302	39.08'W	4553		
17:52:56	A 36.14'S	4156	END	OF PROFILE
302	39.08'W	4564		
17:53:15	A 36.14'S	4157	LOB	
302	39.08'W	4560		
17:53:19	A 36.14'S	4157		
302	39.08'W	4559		
17:53:29	A 36.14'S	4158	TOF	
302	39.08'W	4555		
17:57:24	A 36.14'S	4188	STOP	
302	39.08'W	4408		

STATION: VESP 180-1

Datum	10-APR-1992	19:50:06
Position	5° 35.98' S	81° 38.61' W
Tiefe	3241 m	

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
20:43:15	A 35.97'S	3252	
154	38.62'W	1847	
21:09:56	A 35.96'S	3218	
154	38.59'W	3001	
21:10:29	A 35.96'S	3239	
154	38.59'W	3019	
21:13:02	A 35.94'S	3220	TON
154	38.58'W	3114	
21:13:20	A 35.94'S	3225	BOTTOM IN SIGHT
154	38.58'W	3124	
21:16:24	A 35.94'S	3236	GETTING UNDERWAY 0.4 KNTS 180 DEGR
154	38.58'W	3120	
21:16:42	A 35.94'S	3230	
154	38.58'W	3120	
21:19:56	A 35.94'S	3243	STILL ON LANDING SPOT
154	38.58'W	3119	
21:28:33	A 35.95'S	3299	KEEP GOING 180 DEGR. 0.5 KNTS
154	38.57'W	3161	
21:29:02	A 35.96'S	3295	
154	38.59'W	3165	
21:33:19	A 35.98'S	3326	
154	38.58'W	3190	
21:35:05	A 35.97'S	3322	RUBBLY SURFACE STEEP APPROACHING LANDING SPOT OF V
154	38.57'W	3206	STILL NO EVIDENCE BUT APPROACH ON COURSE
21:37:53	A 35.99'S	3334	FEW CRABS
154	38.58'W	3223	
21:43:09	A 36.02'S	3351	CLAM FIELD SCATTERED
154	38.57'W	3228	
21:44:32	A 36.02'S	3376	LEAVE CLAM SITE BECAUSE TOO MUCH RUBBLE
154	38.56'W	3218	
21:48:35	A 36.04'S	3384	FLASH OF TUBE WORMS OR SERPS
154	38.56'W	3200	
21:52:44	A 36.06'S	3403	PASSED OVER TARGETS
154	38.56'W	3221	
21:56:39	A 36.08'S	3422	SMALL CLAM FIELD BUT TOO MANY DEAD ONES
154	38.55'W	3257	
21:58:48	A 36.08'S	3457	LARGE LEDGE WITH CLAMS
154	38.54'W	3275	
22:00:08	A 36.10'S	3456	STILL FIELD WITH CLAMS
154	38.54'W	3279	
22:00:59	A 35.92'S	3479	STEEP AND ROCKY ABAIN
154	38.43'W	3283	
22:06:15	A 36.13'S	3520	SCATTERED DEAD CLAMS
154	38.54'W	3323	
22:07:48	A 36.14'S	3546	DTTO
154	38.54'W	3327	
22:07:51	A 36.14'S	3547	
154	38.54'W	3327	
22:09:57	A 36.14'S	3559	BOULERS AND RUBBLE FIELDS
154	38.53'W	3332	
22:13:04	A 36.17'S	3605	
154	38.53'W	3334	
22:20:37	A 36.21'S	3639	GOOD LOOKING CLAM FIELD
154	38.53'W	3330	
22:22:16	A 36.22'S	3651	ANOTHER BIG FIELD WHICH WE MISSED
154	38.53'W	3345	
22:26:08	A 36.24'S	3695	STILL CLAM FIELDS
154	38.54'W	3384	
22:27:44	A 36.25'S	3706	NO MORE CLAMS
154	38.54'W	3399	
22:28:55	A 36.25'S	3721	LANDED ON CLAM FIELD BUT FELL OVER

154	38.53'W	3419	

STATION: VESP 180-1 (cont. 1)

22:31:30	A 36.25'S	3720	START HEAVING
154	38.53'W	3438	
22:36:08	A 38.12'S	3687	EQUIPMENT LIFT OFF
154	38.92'W	3394	
22:39:03	A 36.37'S	3677	BOOTOM IN SIGHT AGAIN
154	38.52'W	3426	
22:43:44	A 36.33'S	3714	BENTHOS CAMERA STARTED TOFLASH
154	38.56'W	3480	
22:45:58	A 36.36'S	3717	OSCAR LANDED AND STAYED UP
154	38.56'W	3531	
22:49:20	A 36.35'S	3701	DUST BEGINS TO SETTLE CLOSE TO CLAM FIELD
154	38.56'W	3536	
22:51:17	A 36.37'S	3680	HEAVILY SEDIMENTED SITE MUST BE STEEP BECAUSE LUM
154	38.56'W	3541	
22:55:24	A 36.37'S	3653	STARTED BOTTLE CYCLE, UNCLEAR WHAT WE SEE
154	38.57'W	3549	
23:06:26	A 36.42'S	3564	2 BOTTLES CLOSED IN SEDIMENT
154	38.66'W	3566	
23:06:43	A 36.42'S	3561	M
154	38.66'W	3559	
23:07:12	A 36.38'S	3571	
154	38.58'W	3549	
23:20:48	A 36.35'S	3576	START HEAVING
154	38.59'W	3545	
23:26:28	A 36.34'S	3579	OFF THE BOTTOM
154	38.58'W	3436	
23:26:37	A 36.34'S	3580	CONTINUE HEAVING
154	38.58'W	3432	
23:26:46	A 36.34'S	3581	END OF ADVENTURE
154	38.58'W	3429	
23:33:00	A 36.33'S	3580	
154	38.60'W	3294	
23 54:58	A 36.35'S	3623	END OF ADVENTURE
154	38.62'W	2698	
01 27:46	A 36.58'S	3621	OSCAR BACK ON BOARD !!
154	38.67'W	9906	
01 28:14	A 36.58'S	3614	STOP
154	38.67'W	9906	

STATION: VESP 180-3

Datum 11-APR-1992 04:47:35
Position 5° 35.91'S 81° 38.57'W
Tiefe 3170 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
04:47:36	A 36.58'S	3170	
154	38.67'W	9951	
04:52:19	A 36.58'S	3182	
154	38.67'W	21	
06:18:42	A 35.93'S	3164	
154	38.60'W	2713	
06:26:36	A 35.94'S	3171	
154	38.58'W	3000	
06:29:45	A 35.94'S	3170	
154	38.57'W	3058	
06:31:36	A 35.93'S	3176	TAPE ON
154	38.56'W	3107	
06:31:54	A 35.93'S	3178	BOTTOM IN SIGHT
154	38.56'W	3115	
06:34:01	A 35.94'S	3177	GETTING UNDERWAY 0.3 KNTS 190°
154	38.57'W	3122	
06:36:33	A 35.94'S	3191	
154	38.57'W	3122	
06:38:40	A 35.94'S	3200	
154	38.57'W	3122	
06:43:49	A 35.95'S	3230	ON COURSE ALTHOUGH NAVIGATION A BIT SHAKY
154	38.57'W	3141	
06:48:46	A 35.96'S	3246	
154	38.58'W	3148	
06:49:41	A 35.96'S	3239	OSCAR IS MOVING, GOING DOWN
154	38.58'W	3154	
06:53:33	A 36.04'S	3254	NAVIGATION SCREWY
154	38.53'W	3184	
06:56:31	A 36.03'S	3250	NAVIGAION BACK TO NORMAL
154	38.54'W	3202	
06:57:57	A 35.99'S	3274	SCATTERED CRABS DEAD CLAM
154	38.58'W	3209	
07:00:03	A 36.00'S	3282	PATCHES OF LIFE CLAMS
154	38.58'W	3216	
07:01:57	A 36.00'S	3286	FEW SMALL PATCHES TOO STEEP
154	38.58'W	3223	
07:03:50	A 36.01'S	3288	LANDED NEXT TO SERPULA BED
154	38.58'W	3233	
07:05:44	A 36.01'S	3292	LANDING SITE SEEMS TO BE UPPER BED
154	38.58'W	3268	
07:06:24	A 36.01'S	3302	IN BARITE FIELD TWO MARKINGS ON BARREL ARE VISIBLE
154	38.58'W	3271	
07:09:46	A 36.05'S	3287	
154	38.58'W	3280	
07:12:00	A 36.03'S	3272	STARTED BOTTLE CYCLE
154	38.58'W	3280	
07:13:07	A 36.03'S	3272	DUST CLEARED VERY SOON
154	38.58'W	3280	
07:22:24	A 36.02'S	3226	
154	38.58'W	3280	
07:25:37	A 36.03'S	3221	SCENE UNCHANGED CAMERA FLASHING AWAY
154	38.58'W	3280	
07:42:14	A 36.00'S	3203	LAST BOTTLE SHOULD HAVE CLOSED
154	38.59'W	3280	
07:42:26	A 36.00'S	3204	START HEAVING
154	38.59'W	3280	
07:45:46	A 36.00'S	3203	BARREL MOVED
154	38.58'W	3233	

STATION: VESP 180-3 (cont.1)

07:46:25	A 35.99'S	3214	SAT ON DEAD/LIVE CLAM FIELD
154	38.58'W	3223	
07:47:39	A 36.00'S	3204	CONTINUE HEAVING
154	38.58'W	3213	
07:47:48	A 36.00'S	3205	EXIT
154	38.58'W	3210	

STATION: VESP 180-4

Datum 11-APR-1992 10:35:58
Position 5° 35.76'S 81° 38.60'W
Tiefe 3075 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
10:36:17	A 36.02'S	3079	
154	38.03'W	237	
10:40:05	A 36.02'S	3079	
154	38.03'W	250	
10:44:19	A 36.02'S	3075	
154	38.03'W	250	
10:45:49	A 36.02'S	3090	
154	38.03'W	255	
10:58:55	A 36.03'S	3113	
154	38.60'W	785	
11:25:26	A 35.84'S	3105	
154	38.60'W	1882	
11:55:48	A 35.81'S	3159	
154	38.49'W	3009	
11:55:50	A 35.81'S	3160	BOTTOM IN SIGHT
154	38.49'W	3009	
11:57:14	A 35.81'S	3167	BIG FISH
154	38.49'W	3011	
12:00:09	A 35.84'S	3222	LANDED TOO HIGH ON MUD FLAT
154	38.43'W	3009	
12:05:21	A 35.89'S	3262	GETTING UNDERWAY 190° 0.5 KNTS
154	38.51'W	3026	
12:05:44	A 35.89'S	3243	
154	38.51'W	3028	
12:10:04	A 35.91'S	3263	DEAD SOLEMYA
154	38.53'W	3065	
12:12:10	A 35.91'S	3296	RUGGED TERRAIN
154	38.54'W	3071	
12:14:17	A 35.93'S	3300	
154	38.53'W	3099	
12:20:00	A 35.94'S	3394	STILL MANOEVERING TO FIND RIGHT APPROACH
154	38.53'W	3151	
12:25:01	A 35.96'S	3437	TAPE ON
154	38.55'W	3198	
12:26:52	A 35.97'S	3451	
154	38.55'W	3213	
12:27:20	A 35.98'S	3449	CLAM FIELD
154	38.57'W	3217	
12:27:46	A 35.98'S	3449	TOO FEW FOR BARREL
154	38.57'W	3222	
12:28:18	A 35.98'S	3471	SCATTERED CLAMS
154	38.57'W	3226	
12:31:48	A 35.99'S	3507	
154	38.58'W	3255	
12:32:08	A 36.00'S	3504	SAT DOWN
154	38.59'W	3263	
12:32:40	A 36.00'S	3525	CLAM FIELD QUITE DECENT SPOT
154	38.59'W	3287	
12:34:48	A 36.00'S	3539	MOVING CALYPTOGENA
154	38.61'W	3301	
12:35:09	A 36.00'S	3533	TRIGGER CYCLE START
154	38.61'W	3302	
12:46:05	A 36.03'S	3364	
154	38.65'W	3328	
12:59:53	A 36.02'S	3284	
154	38.63'W	3354	
13:05:23	A 36.02'S	3315	
154	38.63'W	3364	

STATION: VESP 180-4 (cont. 1)

13:05:36	A 36.02'S	3310	
154	38.63'W	3365	
13:05:43	A 36.02'S	3306	START HEAVING
154	38.63'W	3363	
13:08:29	A 36.03'S	3303	TAKE OFF
154	38.64'W	3248	
13:08:39	A 36.03'S	3307	FREE
154	38.64'W	3240	
13:09:03	A 36.02'S	3311	LOB
154	38.63'W	3218	
13:10:13	A 36.01'S	3311	
154	38.62'W	3168	
13:10:15	A 36.01'S	3311	TOF
154	38.62'W	3168	
13:11:52	A 36.01'S	3298	EXIT
154	38.63'W	3070	

STATION: VESP 180-5

Datum 11-APR-1992 15:28:31
Position 5° 35.86' S 81° 38.49' W
Tiefe 3051 m

Zeit (UTC) Kurs	Position (Gerät)	Tiefe Seil	Kommentar
15:28:33	*S*35.86'S	3051	
213	38.49'W	9952	
16:40:34	A 36.02'S	3174	
149	38.48'W	3055	
16:42:26	A 36.30'S	3187	BOTT
182	38.56'W	3118	
16:42:38	A 35.99'S	3193	TON
227	38.48'W	3119	
16:44:36	A 35.99'S	3215	POS?
274	38.47'W	3129	
16:51:05	A 35.95'S	3236	
285	38.57'W	3128	
16:54:05	A 35.91'S	3301	
245	38.59'W	3169	
16:58:07	A 35.93'S	3355	MESSY NAVIGATION
281	38.52'W	3179	
16:58:19	A 35.93'S	3358	VERY MESSY BOTTOM SIGHT
279	38.52'W	3181	
17:02:43	A 35.99'S	3400	NAVIGATION IS QUIETING DOWN
243	38.60'W	3221	
17:05:31	A 35.98'S	3429	CRABS
123	38.60'W	3231	
17:08:33	A 35.89'S	3437	SETTLED DOWN IN THE MIDDLE OF SERP FIELD
17	38.69'W	3241	AFTER A BRIEF PICK UP PERIOD
17:11:46	A 36.00'S	3425	
2	38.68'W	3274	
17:12:01	A 36.00'S	3431	STARTED CYCLE FOR BOTTLES AT 8 MIN.
9	38.68'W	3275	
17:12:46	A 36.00'S	3421	
20	38.68'W	3276	
17:18:09	A 35.91'S	3371	CRAB COMING
355	38.70'W	3284	
17:24:11	A 36.01'S	3381	
40	38.64'W	3292	
17:28:20	A 35.98'S	3374	
207	38.61'W	3298	
17:31:09	A 35.98'S	3365	
24	38.68'W	3302	
17:33:56	A 35.68'S	3356	
138	38.93'W	3309	
17:34:37	A 36.01'S	3371	
178	38.75'W	3311	
17:35:26	A 36.01'S	3361	
354	38.75'W	3312	
17:35:41	A 35.94'S	3362	
355	38.91'W	3312	
17:43:59	A 36.00'S	3349	POS PERHAPS OK
354	38.68'W	3325	
17:44:12	A 36.00'S	3340	
0	38.68'W	3325	
17:44:40	A 36.00'S	3339	
25	38.68'W	3326	
17:45:53	A 35.99'S	3333	
36	38.67'W	3328	
17:46:31	A 35.95'S	3333	POS OK!
64	38.69'W	3329	
17:46:38	A 35.95'S	3334	
68	38.69'W	3329	

STATION: VESP 180-5 (cont.1)

17:48:02	A 35.91'S	3333	
65	38.73'W	3331	
17:49:46	A 36.02'S	3320	
102	38.68'W	3334	
17:50:53	A 36.02'S	3315	
94	38.66'W	3336	
17:51:35	A 36.03'S	3312	
91	38.68'W	3337	
17:52:15	A 36.03'S	3322	START HEAVING
76	38.68'W	3338	
17:52:27	A 36.03'S	3317	
75	38.68'W	3337	
17:52:53	A 36.04'S	3308	
99	38.62'W	3332	
17:53:21	A 36.04'S	3317	
89	38.62'W	3326	
17:54:03	A 36.04'S	3319	
68	38.61'W	3317	
17:54:39	A 36.25'S	3315	
48	38.88'W	3310	
17:55:28	A 36.25'S	3315	
82	38.88'W	3300	
17:56:04	A 36.01'S	3306	
47	38.64'W	3293	
17:57:07	A 35.89'S	3316	
29	38.73'W	3280	
17:58:07	A 36.01'S	3313	
83	38.64'W	3268	
17:58:44	A 36.02'S	3302	
84	38.64'W	3261	
17:58:49	A 36.02'S	3310	TAKE OFF
83	38.64'W	3259	
17:58:56	A 36.02'S	3311	STAND
83	38.64'W	3258	
17:59:04	A 36.02'S	3311	
82	38.64'W	3257	
17:59:26	A 36.02'S	3312	UP AND DOWN
66	38.64'W	3252	
17:59:41	A 36.05'S	3311	
59	38.62'W	3249	
18:00:05	A 36.05'S	3311	TAKE OFF
55	38.62'W	3243	
18:00:15	A 36.05'S	3308	FREE
49	38.62'W	3239	
18:00:21	A 36.05'S	3309	
47	38.62'W	3238	
18:00:41	A 36.02'S	3317	
56	38.62'W	3230	
18:01:58	A 36.01'S	3306	
68	38.61'W	3195	
18:02:11	A 36.01'S	3310	TOF
68	38.61'W	3190	
18:02:25	A 36.01'S	3315	
79	38.61'W	3185	

Meteorologische Daten

Date	UTC	Lat.	Long.	Sea surface	Wind Speed	Wind Direction	Air Temp.	Pressure	Humidity
					(m/sec)	(°)	(°C)	(hpa)	(%)
18:03:92	3:00:05	5:36.851	81:52.312	28	6.5	172	26.3	1011.0	86
18:03:92	4:00:04	5:41.422	81:50.225	27	5.6	192	26.5	1011.0	85
18:03:92	5:03:27	5:52.023	81:45.452	26.8	5.0	173	26.6	1010.8	84
18:03:92	6:01:17	6:01.039	81:41.598	26.7	5.5	171	26.6	1010.8	85
18:03:92	7:00:48	6:12.669	81:37.464	26.5	3.5	173	26.4	1010.1	86
18:03:92	8:00:40	6:22.749	81:33.472	27.0	5.3	200	26.7	1010.1	83
18:03:92	15:00:20	6:49.930	81:23.092	28.0	6.6	134	27.0	1012.4	83
18:03:92	16:00:10	6:49.955	81:21.283	27.5	5.9	133	26.8	1012.2	84
18:03:92	18:00:05	6:46.737	81:02.740	27.5	5.1	155	26.8	1011.0	83
18:03:92	23:00:30	6:50.784	81:26.641	28.0	3.6	158	27.2	1008.5	83
19:03:92	00:00:15	6:50.842	81:26.667	28.0	4.9	158	27.1	1009.3	84
19:03:92	02:06:06	6:51.036	81:26.428	27.8	5.6	150	27.1	1011.0	84
19:03:92	13:04:13	5:34.679	81:52.488	27.0	6.0	149	26.2	1011.2	87
19:03:92	14:00:07	5:35.083	81:52.319	26.5	4.9	143	26.4	1012.4	86
19:03:92	15:12:18	5:35.256	81:52.445	26.3	4.0	107	26.3	1012.8	87
19:03:92	16:02:23	5:35.313	81:52.675	26.3	3.8	101	26.5	1012.6	86
19:03:92	17:00:26	5:35.781	81:52.707	26.5	3.0	96	26.6	1013.0	84
19:03:92	18:00:25	5:34.882	81:53.184	26.8	3.2	116	26.7	1011.8	84
19:03:92	19:00:12	5:34.511	81:53.134	26.3	2.8	90	26.8	1011.2	84
19:03:92	20:00:25	5:34.893	81:53.438	26.8	1.8	156	26.8	1010.3	84
19:03:92	21:13:26	5:36.622	81:51.647	26.3	2.5	140	27.1	1007.3	83
19:03:92	22:00:10	5:34.810	81:52.418	27.2	2.0	167	27.2	1009.7	84
19:03:92	23:01:20	5:40.529	81:49.253	27.0	4.7	218	26.7	1009.5	85
20:03:92	00:00:34	5:51.517	81:42.693	26.5	5.0	178	26.8	1010.1	86
20:03:92	01:04:30	6:03.853	81:35.650	26.3	4.0	178	26.9	1011.2	85
20:03:92	02:04:08	6:14.755	81:29.682	26.2	3.4	173	26.8	1012.0	86
20:03:92	03:01:37	6:25.200	81:23.687	26.5	5.5	184	26.8	1012.4	86
20:03:92	04:00:41	6:35.051	81:18.062	26.5	11.6	270	26.9	1012.6	85
20:03:92	05:00:15	6:46.870	81:11.425	26.8	5.5	154	27.1	1012.6	84
20:03:92	06:05:44	6:58.399	81:04.460	27.3	7.0	158	26.8	1011.6	84
20:03:92	07:01:07	7:08.028	80:57.358	27.3	7.2	147	26.7	1011.0	84

20:03:92	16:01:51	8:47.120	80:01.430	26.4	5.6	137	25.6	1013.4	84
20:03:92	17:00:10	8:55.986	79:55.933	26.4	6.0	147	25.5	1012.4	85
20:03:92	18:00:40	9:06.459	79:49.842	25.5	4.2	167	25.4	1011.8	85
20:03:92	19:01:05	9:17.373	79:43.914	25.6	4.0	197	25.5	1011.6	85
20:03:92	20:00:15	9:27.840	79:38.126	26.5	5.2	173	25.9	1010.3	84
20:03:92	21:39:20	9:45.352	79:27.428	26.9	5.1	179	25.9	1010.1	82
20:03:92	22:07:20	9:50.510	79:24.579	26.7	5.3	171	26.0	1010.3	82
20:03:92	23:01:02	9:59.558	79:19.220	26.8	5.8	183	25.8	1011.2	82
21:03:92	00:04:42	10:11.425	79:13.467	25.8	6.2	143	26.0	1011.8	81
21:03:92	01:01:20	10:20.643	79:07.672	26.0	7.3	174	26.2	1012.4	80
21:03:92	02:00:16	10:30.672	79:01.621	26.4	8.4	174	26.2	1012.0	80
21:03:92	03:00:08	10:41.522	78:55.641	26.4	7.0	157	25.9	1012.8	79
21:03:92	05:01:31	11:02.995	78:43.930	26.8	5.1	165	25.6	1012.4	80
21:03:92	06:01:41	11:10.270	78:39.426	27.0	8.5	157	25.2	1012.4	81
21:03:92	07:02:25	11:07.600	78:33.245	26.9	8.0	159	25.2	1011.6	81
21:03:92	08:01:22	11:04.917	78:27.370	26.5	8.1	164	25.2	1011.6	82
21:03:92	09:00:48	11:02.450	78:21.892	26.5	8.5	154	25.1	1011.2	83
21:03:92	10:00:20	10:59.974	78:16.273	26.4	9.8	169	25.0	1011.6	80
21:03:92	13:36:47	10:55.232	78:06.305	26.0	6.1	120	24.1	1013.4	86
21:03:92	14:26:10	10:55.290	78:06.125	26.0	6.5	127	24.3	1013.8	86
21:03:92	15:06:42	10:55.283	78:06.243	26.2	6.0	122	24.3	1013.0	85
21:03:92	17:00:24	10:58.800	78:13.797	27.0	5.4	161	26.7	1012.2	79
21:03:92	18:05:35	10:58.767	78:13.782	27.0	6.8	159	25.4	1011.4	78
21:03:92	19:12:42	11:01.276	78:19.408	27.0	8.3	155	25.3	1010.5	78
21:03:92	23:00:21	11:04.072	78:25.508	27.0	7.0	166	25.3	1010.1	80
22:03:92	00:13:02	11:04.109	78:25.547	27.0	5.8	172	25.5	1011.2	80
22:03:92	01:06:35	11:04.172	78:25.580	26.9	5.5	166	25.4	1012.0	80
22:03:92	03:02:33	11:14.901	78:18.913	26.1	6.0	151	25.4	1012.0	82
22:03:92	05:07:37	11:01.628	78:01.070	25.0	3.8	161	25.2	1012.2	82
22:03:92	14:01:23	11:28.221	78:09.652	26.8	4.7	155	24.9	1014.2	81
22:03:92	15:04:18	11:23.316	78:05.010	26.7	6.7	150	25.1	1013.8	81
22:03:92	16:37:43	11:19.835	78:01.382	26.9	5.2	171	25.2	1013.2	80
22:03:92	17:00:30	11:19.727	78:01.416	27.0	5.2	174	25.4	1012.8	81

22:03:92	19:09:07	11:19.931	78:01.426	27.2	6.0	200	25.7	1011.2	81
22:03:92	20:04:12	11:14.035	78:07.477	27.1	6.0	193	25.9	1011.0	79
22:03:92	21:10:15	11:04.195	78:18.559	26.8	5.9	179	26.5	1009.9	77
22:03:92	22:08:12	10:56.201	78:27.308	27.0	6.0	169	26.4	1010.1	79
22:03:92	23:06:10	10:47.606	78:36.469	26.8	6.4	154	26.1	1011.0	79
23:03:92	00:10:27	10:37.962	78:46.842	26.5	6.1	134	25.9	1011.4	80
23:03:92	01:04:22	10:29.697	78:55.459	26.5	6.7	153	26.0	1012.2	81
23:03:92	02:03:15	10:21.301	79:04.403	26.7	7.5	151	26.1	1012.2	81
23:03:92	03:07:13	10:11.022	79:14.904	26.3	7.5	148	26.0	1013.0	82
23:03:92	04:03:25	10:03.539	79:24.209	25.7	7.2	154	26.1	1013.0	82
23:03:92	05:02:10	09:53.820	79:34.225	26.0	6.2	149	25.9	1012.6	82
23:03:92	06:04:47	09:45.950	79:42.950	26.0	6.8	149	25.8	1012.2	82
23:03:92	07:08:02	09:39.006	79:53.545	26.0	7.5	143	25.8	1011.4	83
23:03:92	14:00:56	09:35.737	79:53.955	25.8	10.2	93	26.1	1014.2	81
23:03:92	15:10:40	09:37.212	80:07.063	27.7	5.8	141	27.2	1014.0	79
23:03:92	16:09:30	09:34.329	80:07.309	27.7	7.1	140	26.4	1013.6	82
24:03:92	00:03:15	09:35.245	80:06.101	25.7	5.6	168	26.0	1012.2	82
24:03:92	01:09:09	09:36.788	80:06.803	25.7	4.9	159	26.1	1013.0	82
24:03:92	02:00:24	09:37.726	80:07.265	25.5	5.6	166	26.2	1013.6	81
24:03:92	03:14:08	09:39.032	80:07.702	25.5	5.8	165	26.2	1014.2	82
24:03:92	04:01:15	09:39.911	80:07.545	25.8	6.4	166	26.2	1013.8	81
24:03:92	05:07:11	09:36.814	80:08.428	25.4	6.5	142	26.0	1013.8	81
24:03:92	06:23:25	09:23.276	80:15.065	25.6	6.0	145	25.9	1013.0	81
25:03:92	00:34:20	09:32.251	80:13.528	27.4	5.4	144	26.3	1014.4	83
25:03:92	03:05:35	09:35.155	80:12.568	25.5	4.7	152	26.2	1014.8	85
25:03:92	04:14:40	09:36.675	80:11.477	26.1	5.6	161	26.0	1015.0	82
25:03:92	05:00:10	09:37.781	80:10.820	25.5	4.3	152	26.1	1014.6	83
25:03:92	18:07:32	09:35.134	80:07.605	27.5	6.3	143	26.3	1012.2	83
25:03:92	22:10:07	09:35.117	80:08.495	27.7	6.7	163	26.4	1009.9	83
25:03:92	23:00:28	09:35.295	80:07.719	27.5	5.8	156	26.3	1011.0	83
26:03:92	00:00:29	09:35.179	80:07.756	27.5	7.3	155	26.3	1011.0	84
26:03:92	01:00:12	09:35.553	80:07.687	27.0	6.7	170	26.4	1011.6	84
26:03:92	02:00:12	09:35.521	80:07.678	27.3	5.8	153	26.3	1012.2	83

26:03:92	03:00:20	09:36.816	80:11.986	26.8	5.7	158	26.3	1012.4	82
26:03:92	04:00:06	09:40.038	80:22.639	25.5	7.2	142	25.9	1012.6	84
26:03:92	05:00:12	09:40.028	80:34.833	26.5	5.7	143	26.0	1012.2	83
26:03:92	16:42:32	09:34.781	80:08.258	27.5	4.5	152	26.6	1013.0	85
26:03:92	17:03:36	09:34.889	80:08.144	27.5	5.4	157	26.6	1012.6	85
26:03:92	23:06:20	09:26.652	80:10.800	27.8	6.4	150	27.0	1010.8	84
27:03:92	00:02:56	09:16.328	80:16.697	27.3	6.3	143	26.6	1011.2	85
27:03:92	01:03:36	09:05.325	80:22.870	27.3	5.3	154	26.6	1012.0	86
27:03:92	02:04:40	09:00.468	80:30.500	27.4	5.6	141	26.7	1012.6	85
27:03:92	03:07:56	08:56.435	80:33.317	27.5	5.2	138	26.6	1013.0	86
27:03:92	04:08:35	08:57.018	80:32.797	27.5	5.3	149	26.6	1013.0	86
27:03:92	05:00:12	08:57.888	80:32.051	27.5	4.7	148	26.6	1012.0	87
27:03:92	17:04:35	09:00.548	80:27.701	27.7	6.9	151	26.7	1012.4	86
27:03:92	18:08:45	09:01.276	80:27.435	27.7	5.6	168	26.7	1011.6	86
27:03:92	22:04:26	09:07.840	80:15.157	27.5	7.0	202	26.6	1008.9	87
27:03:92	23:00:09	09:17.801	80:09.698	27.3	7.3	187	26.5	1009.7	87
28:03:92	00:02:16	09:28.807	80:03.599	26.9	7.9	179	26.5	1009.9	87
28:03:92	01:36:38	09:33.028	79:52.064	26.8	9.7	149	26.4	1012.0	88
28:03:92	02:27:50	09:24.380	79:46.279	26.5	10.2	151	26.2	1012.4	87
28:03:92	03:18:20	09:18.421	79:42.090	26.5	7.4	164	26.4	1012.4	88
28:03:92	04:04:20	09:25.589	79:47.042	26.3	8.6	167	26.3	1013.2	87
28:03:92	05:08:02	09:25.619	79:47.130	26.3	7.6	168	26.2	1012.6	87
28:03:92	17:06:30	09:02.191	80:27.152	27.0	7.2	160	26.9	1012.0	86
28:03:92	20:05:08	09:00.152	80:22.889	27.5	6.0	165	26.7	1008.7	87
28:03:92	21:09:16	09:11.418	80:16.463	27.3	8.2	180	26.6	1008.1	88
28:03:92	22:06:08	09:21.430	80:10.778	27.5	8.8	191	26.3	1007.9	88
28:03:92	23:00:06	09:30.923	80:05.340	27.4	7.8	181	26.3	1008.1	88
29:03:92	01:19:45	09:45.956	80:11.988	27.0	12.0	155	26.2	1010.5	89
29:03:92	02:22:31	09:46.000	80:25.250	27.0	9.3	159	26.4	1012.0	88
29:03:92	03:18:15	09:37.801	80:28.064	27.0	7.3	143	26.2	1012.4	88
29:03:92	04:25:50	09:24.312	80:28.009	26.8	6.0	160	26.4	1012.4	87
29:03:92	05:09:20	09:15.449	80:27.970	27.0	6.3	159	26.3	1012.4	88
29:03:92	14:10:15	09:35.074	80:07.776	27.2	6.3	159	26.4	1013.2	88

29:03:92	15:03:29	09:35.242	80:07.713	27.0	6.7	169	26.5	1013.4	87
29:03:92	16:16:20	09:35.310	80:07.914	27.1	5.4	240	26.6	1013.0	85
29:03:92	18:00:10	09:35.223	80:08.098	27.4	6.7	159	26.5	1011.6	88
29:03:92	20:06:51	09:36.172	80:06.662	27.7	5.6	169	26.5	1010.3	87
29:03:92	21:14:16	09:36.642	80:06.227	27.4	5.7	170	26.6	1009.9	86
29:03:92	22:18:16	09:37.305	80:05.523	27.2	5.3	170	26.6	1011.0	86
29:03:92	23:00:14	09:44.485	80:09.245	27.0	4.9	173	26.6	1011.8	86
30:03:92	00:04:23	09:51.991	80:08.980	26.4	6.1	168	26.6	1012.2	85
30:03:92	01:00:45	09:51.993	79:58.160	26.1	5.3	170	26.6	1012.8	86
30:03:92	02:12:54	09:51.921	79:44.364	26.5	9.3	175	26.6	1013.2	88
30:03:92	03:15:31	09:56.986	79:40.450	26.5	4.0	167	26.4	1014.0	88
30:03:92	04:09:41	09:57.016	79:52.745	26.3	6.0	153	26.5	1014.0	88
30:03:92	05:04:15	09:56.970	80:04.378	25.7	6.0	130	26.3	1013.8	90
30:03:92	06:02:42	10:02.006	80:05.098	25.5	6.6	149	26.3	1012.8	88
30:03:92	14:06:48	10:15.473	79:57.937	27.0	6.5	148	26.4	1014.4	88
30:03:92	15:05:47	10:15.766	79:58.462	27.0	5.0	141	26.5	1014.6	89
30:03:92	16:01:15	10:16.417	79:59.620	27.3	4.2	106	26.6	1014.6	88
30:03:92	17:06:14	10:17.068	80:01.050	27.5	3.6	133	26.6	1014.6	88
30:03:92	18:04:37	10:17.527	80:02.317	27.7	3.2	141	26.8	1014.0	87
30:03:92	19:03:41	10:18.007	80:03.973	27.7	2.9	134	26.8	1013.0	88
30:03:92	20:05:35	10:17.717	80:10.041	27.4	4.9	142	26.4	1012.6	90
30:03:92	21:06:55	10:16.595	80:24.146	26.7	6.0	149	26.4	1012.4	91
30:03:92	22:03:10	10:14.253	80:35.620	26.6	5.3	152	26.2	1012.2	90
30:03:92	23:01:30	10:04.805	80:40.358	27.2	6.6	171	26.2	1012.6	91
31:03:92	00:12:51	10:07.484	80:39.548	26.7	6.5	147	26.2	1013.6	91
31:03:92	01:03:45	10:07.449	80:39.499	26.7	7.2	142	26.2	1013.8	91
31:03:92	02:05:49	10:07.542	80:39.551	26.7	6.1	138	26.1	1014.8	91
31:03:92	03:10:25	10:06.842	80:39.880	27.2	6.8	146	26.3	1015.2	91
31:03:92	04:14:18	10:06.784	80:39.825	27.0	7.6	149	26.0	1015.0	91
31:03:92	05:32:48	10:06.849	80:39.808	26.5	5.4	134	26.1	1014.6	92
31:03:92	06:18:20	10:06.985	80:39.881	26.2	5.5	145	25.9	1014.2	91
31:03:92	14:10:08	10:37.609	80:46.910	26.2	3.9	148	26.1	1015.4	91
31:03:92	15:17:10	10:51.241	80:48.696	26.5	4.4	151	26.2	1016.0	89